



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
DESA/HWSB/HWSS
2890, Woodbridge Avenue, Edison, NJ 08837

Case No. : 47453

Site: Pierson's Creek

Number of Samples: 20 (Soil)

Analysis: VOA, SVOA, PEST, ARO

SDG No.: BE5W7

Laboratory: Chemtech Consulting Group

Sampling dates: 2/21/2018

Validation SOP: HW-33A (Rev 1), HW-35 Rev 1,
HW 36 (Rev 1), HW-37 (Rev 0)

QAPP:

Contractor: Matrix New World Engineering, Land Survey and Landscape Architecture, PC

Reference: Pierson's Creek QAPP, February 2018

SUMMARY OF DEFINITIONS:

Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.

Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated. "J+" and "J-" represent likely direction of the bias.

Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:

PEST: Samples BE5W8RE, BE5W9RE, BE5X1RE, BE5X3RE, BE5X5RE, BE5X7, BE5Y0RE, BE5Z8RE and BE600RE have analytes that have been qualified "R" for Resolution Check Mixture C percent resolution fell outside criteria and/or for Compound Identification criteria.

Sample BE5X0RE has analytes that have been qualified "R" due to MS/MSD recoveries below the expanded lower limit of the criteria window.

Major Findings:

VOA: Samples BE5W7RE, BE5W8RE, BE5X1RE, BE5X5RE, BE5X7RE, BE5X8RE, BE5Y0, BE5Y1, BE5Y2RE, BE5Z8, BE600 have analytes that have been qualified "J", "J+" or "J-".

SVOA: Samples BE5W7, BE5W7DL, BE5W8, BE5X0, BE5X1RE, BE5X2, BE5X3, BE5X6RE, BE5X6DL, BE5Y0RE, BE5Z8, BE5Z9RE and BE600 have analytes that have been qualified "J", "J+" or "J-".

PEST: All the associated samples have analytes that have been qualified "J", "J+" or "J-".

ARO: Samples BE5W7DL, BE5W8DL, BE5X1, BE5Y0, BE5Y1, BE5Y3, BE5Z8 and BE5Z9 have analytes that have been qualified "J", "J+" or "J-".

Minor Findings:

One or more analytes in one or more samples are qualified "J" due to results between MDL and CRQL.

COMMENTS: One or more analytes have exceeded project action level for one or more samples.

Reviewer Name(s): Reginald St-Juste/ Raxa Shelley

Approver's Signature:

Date: 04/20/2018

Name: Narendra Kumar

Affiliation: USEPA/R2/HWSB/HWSS



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Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	Explanation		
	INORGANICS	ORGANICS	CHLORINATED DIOXIN/FURAN
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL).	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J-	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	



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DATA ASSESSMENT

ANALYSIS: VOA

The current SOP HW-33A (Revision 1) September 2016, USEPA Region II for the evaluation of Volatile organic data generated through Statement of Work SOM02.2 and any future editorial revisions of SOM02.2 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report. Tentatively Identified Compounds (TICs) for VOA organic fraction is not validated.

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMC's)

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of the SOP HW-33A (Revision 1) qualifications were applied as per Table 7 SOP HW-33A (Revision 1) to all the samples and analytes as shown below.

The following samples have DMC/surrogate percent recoveries greater than the primary maximum criteria. Detects are qualified as estimated J+. Non-detects are not qualified.

Vinyl-Chloride-d3 BE5Z9RRE

Vinyl Chloride

Chloroethane-d5 BE5Z9RE

Dichlorodifluoromethane, Chloromethane, Bromomethane, Chloroethane, Carbon disulfide

1,1-Dichloroethene-d2 BE5Z9RE

trans-1,2-Dichloroethene, cis-1,2-Dichloroethene, 1,1-Dichloroethene

Benzene-d6 BE5Z9RE

Benzene

1,2-Dichloropropane-d6 BE5X1, BE5X5, BE5X8RE, BE5Y1RE, BE5Y2, BE5Z8RE, BE5Z9, BE5Z9RE,



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Cyclohexane, Methylcyclohexane, 1,2-Dichloropropene, Bromodichloromethane

Toluene-d8 BE5Z9RE

Trichloroethene, Toluene, Tetrachloroethene, Ethylbenzene, o-Xylene, m,p-Xylene, Styrene, Isopropylbenzene

1,2-Dichlorobenzene-d4 BE5X8RE

Chlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Not applicable.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-33A (Rev 1).

A) Method blank contamination:

The following volatile sample has contaminant analyte concentrations reported less than 2x the CRQL. The associated Method Blank has contaminant analyte concentration less than 2x the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQL.

Methylene Chloride BE600

B) Field or rinse blank contamination: BE613

The following volatile sample has contaminant analyte concentrations reported less than 2x the CRQL. The associated Field Blank has contaminant analyte concentration less than 2x the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQL.

Acetone BE5X8RE

C) Trip blank contamination for VOA aqueous samples:



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Not applicable

D) Storage Blank associated with VOA samples only:

No problems were found for this criterion.

E) Tentatively Identified Compounds:

Tentatively Identified Compounds (TICs) for VOA organic fractions are not validated.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is (BFB) Bromofluorobenzene. If the mass calibration is in error, all associated data will be classified as unusable "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial calibration, ICV and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW 33A (Revision 1). If RRF is less than minimum RRF specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW 33A (Revision 1) for all target analytes. For the Initial calibration verification ICV/opening or closing CCV %D



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must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW 33A (Revision 1) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

The following samples are associated with an initial calibration percent relative standard deviation (%RSD) outside criteria. Detects are qualified as estimated J. Non-detects are not qualified.

trans-1,3-Dichloropropene BE5X8RE, BE5Y0RE, BE5Y1RE, BE5Y2RE, BE5Z8RE, BE5Z9RE and BE600

Bromoform BE5X8RE, BE5Y0RE, BE5Y1RE, BE5Y2RE, BE5Z8RE, BE5Z9RE and BE600

The following samples are associated with an opening or closing CCV with % Difference (%D) exceeding criteria. Detects are qualified as estimated J. Non-detects are qualified as estimated UJ.

Carbon disulfide BE600

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 9 of SOP HW 33A (Rev 1) of the associated continuing calibration internal standard area. The retention time of the internal standards must be within the range as specified in Table 9 of SOP HW 33A (Rev 1). If the area count is greater than, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 9 of SOP HW 33A (Rev 1), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below. Qualifications were applied to the samples and analytes as shown below.

The following sample has internal standard area response less than expanded minimum criteria. Detects are qualified as estimated J+. Nondetects are qualified as unusable R.

1,4-Difluorobenzene BE5Z9RE

Dichlordifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Chloroethane, Trichlorofluoromethane, 1,1-Dichloroethene, 1,1,2-Trichloro-1,2,2-trifluoroethane, Acetone, Carbon disulfide, Methyl acetate, Bromochloromethane, Methylene Chloride, trans-1,2-Dichloroethene, Methyl tert-butyl ether, 1,1-Dichlorethane, cis-1,2-Dichloroethene, 2-Butanone, Chloroform, 1,2-Dichloroethane, 1,4-Dioxane



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Chlorobenzene-d5 BE5Z9

1,1,1-Trichloroethane, Cyclohexane, Carbon tetrachloride, Benzene, Trichloroethene, Methylcyclohexane, 1,2-Dichloropropane, Bromodichloromethane, cis-1,3-Dichloropropene, 4-Methyl-2-pantanone, Toluene, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane, Tetrachloroethene, 2-Hexanone, Dibromochloromethane, 1,2-Dibromoethane, Chlorobenzene, Ethylbenzene, m,p-Xylene, o-Xylene, Styrene, Isopropylbenzene and 1,1,2,2-Tetrachloroethane

1,4-Dichlorobenzene-d4 BE5Z9

Bromoform, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene and 1,2,3-Trichlorobenzene

The following samples have internal standards area response greater than or equal to the expanded minimum criteria and less than the primary minimum criteria. Detects are qualified as estimated J+. Non-detects are qualified as estimated UJ.

The following samples have internal standard area response greater than or equal to expanded minimum criteria and less than primary minimum criteria. Detects are qualified as estimated J+. Non-detects are qualified as estimated UJ.

Chlorobenzene-d5 BE5Y0RE, BE5Y1RE, BE5Z8RE, BE5Z9RE

1,1,1-Trichloroethane, Cyclohexane, Carbon tetrachloride, Benzene, Trichloroethene, Methylcyclohexane, 1,2-Dichloropropane, Bromodichloromethane, cis-1,3-Dichloropropene, 4-Methyl-2-pantanone, Toluene, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane, Tetrachloroethene, 2-Hexanone, Dibromochloromethane, 1,2-Dibromoethane, Chlorobenzene, Ethylbenzene, m,p-Xylene, o-Xylene, Styrene, Isopropylbenzene and 1,1,2,2-Tetrachloroethane

1,4-Dichlorobenzene-d4 BE5W7, BE5W7RE, BE5W8RE, BE5W8, BE5X1, BE5X1RE, BE5X5, BE5X5RE, BE5X7RE, BE5X7, BE5X8RE, BE5X8, BE5Y0RE, BE5Y0, BE5Y1, BE5Y1RE, BE5Y2RE, BE5Y2, BE5Z8RE, BE5Z8, BE5Z9RE

Bromoform, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene and 1,2,3-Trichlorobenzene

8. FIELD DUPLICATES: BE5X2/BE611

The pair sample duplicate was not identified in this SDG.

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have ion spectra which has a ratio of the primary and secondary m/z intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.



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10. CONTRACT PROBLEMS NON-COMPLIANCE:

Percent relative standard deviation (%RSD) fell outside the contractual criteria in the initial calibration for trans-1,3-Dichloropropene and Bromoform.

11. FIELD DOCUMENTATION:

No problems were identified.

12. OTHER PROBLEMS:

None

13. DILUTIONS, RE-EXTRactions & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

The following samples were re-analyzed to confirm the internal standard failure.

BE5W7RE, BE5W8RE, BE5X1RE, BE5X5RE, BE5X7RE, BE5X8RE, BEY0RE, BEY1RE, BE5Y2RE, BE5Z8RE and BE5Z9RE

ANALYSIS: SVOA

The current SOP HW-35A (Revision 1) September 2016, USEPA Region II for the evaluation of Semi-Volatile organic data generated through Statement of Work SOM02.2, and any future editorial revisions of SOM02.2 has been applied. Data has been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report. Tentatively Identified Compounds (TICs) for BNA organic fraction is not validated.

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded, qualifications will be applied as per SOP HW-35A (Rev 1).

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMCs)

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of SOP HW-35A (Revision 1), qualifications were applied as per Table 7 of SOP HW-35A (Revision 1) to all the samples and analytes as shown below.



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The following undiluted sample analyses have DMC/surrogate percent recoveries less than the primary minimum criteria but greater than or equal to the expanded minimum criteria. Detects are qualified as estimated J-. Non-detects are qualified as estimated UJ.

1,4-Dioxane-d8 BE5X2, BE5X1RE, BE5X6 and BE5Z9
1,4-Dioxane

Fluorene-d10 BE5X2
Dibenzofuran, Fluorene, 4-Chlorophenyl-phenylether, 4-Bromophenyl-phenylether, Carbazole

4,6-Dinitro-2-methylphenol-d2 BE5X2 and BE600
4,6-Dinitro-2-methylphenol

The following samples have DMC/surrogate percent recoveries greater than the primary maximum criteria. Detects are qualified as estimated J+. Non-detects are not qualified.

2-Nitrophenol-d4 BE5W9 and BE5Z8
Isophorone, 2-Nitrophenol

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATES (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Not applicable.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-35A (Rev 1).

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination: BE613

No problems were found for this criterion.

C) Tentatively Identified Compounds:

Tentatively Identified Compounds (TICs) for BNA organic fraction are not validated.



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5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for Semi-volatiles is Decafluorotriphenyl-phosphine (DFTPP). If the mass calibration is in error, all associated data will be classified as unusable "R".

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial calibration, ICV and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW 35A (Rev 1). If RRF is less than minimum RRF as specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW 35A (Rev 1) for all target analytes. For the Initial Calibration Verification ICV/opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW 35A (Rev 1) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

The following analytes in the sample shown were qualified for %RSD and %D:



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The following samples are associated with an opening or closing CCV with % Difference exceeding criteria. Detects are qualified as estimated J. Non-detects are qualified as estimated UJ.

Acetophenone BE5Z8 and BE5W7DL

4-Methylphenol BE5W7DL

Hexachlorobutadiene BE5X1, BE5X6, BE5Y0 and BE5Z9

Hexachloroethane BE5X1, BE5X6, BE5Y0 and BE5Z9

Hexachlorocyclopentadiene BE5Z8, BE5X3, BE5X0, BE5W8, BE5W7, BE5X6DL, BE5X1, BE5X6, BE5Y0, BE5Z9, BE5X1RE, BE5X6RE, BE5Y0RE and BE5Z9RE

2,4-Dinitrophenol BE5Z8, BE5X1, BE5X6, BE5Y0, BE5Z9, BE5X1RE, BE5X6RE, BE5Y0RE and BE5Z9RE

4,6-Dinitro-2-methylphenol BE5X1, BE5X6, BE5Y0, BE5Z9, BE5X1RE, BE5X6RE, BE5Y0RE and BE5Z9RE

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 10 of SOP HW 35A (Rev 1) of the associated continuing calibration internal standard area. The retention time of the internal standards must be within the range as specified in Table 10 of SOP HW 35A (Rev 1). If the area count is greater than, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 10 of SOP HW 35A (Rev 1), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

8. FIELD DUPLICATES: BEX2/BE611

The pair sample duplicate was not identified in this SDG.

9. COMPOUND IDENTIFICATION:

A) Semi-Volatile Fractions:

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results



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to be a positive hit, the sample peak must be within 0.06 RRT units of the standard compound and have ion spectra which have a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

10. CONTRACT PROBLEMS NON-COMPLIANCE:

None

11. FIELD DOCUMENTATION:

No problems were identified.

12. OTHER PROBLEMS:

None.

13. DILUTIONS, RE-EXTRACTIONS and REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

The following dilution and re-analysis samples were used for one or more analytes

BE5W7DL, BE5W8DL, BE5X0DL, BE5X1DL, BE5X3DL, BE5X4DL, BE5X6DL, BE5X1RE, BE5X6RE, BE5Y0RE and BE5Z9RE

ANALYSIS: PEST

The current SOP HW-36A (Revision 1) October 2016, USEPA Region II for the evaluation of Pesticides data generated through Statement of Work SOM02.2, and any future editorial revisions of SOM02.2 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample



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quantitation limits), if the holding times are grossly exceeded. If the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATES

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside Table 7 of the SOP HW-36A (Revision 1), qualifications were applied to the samples and analytes as shown below.

The following pesticide samples have surrogate percent recoveries less than the primary lower limit but greater than or equal to the expanded lower limit of the criteria window. Detected compounds are qualified J-. Non-detected compounds are qualified UJ.

Tetrachloro-m-xylene BE5X0, BE5X0RE, BE5X0DL, BE5X0MSRE, BE5X0MS, BE5X0MSDRE, BE5X0MSD, BE5X1, BE5X6, BE600, BE600RE
alpha-BHC, beta-BHC, delta-BHC, gamma-BHC (Lindane), Heptachlor, Aldrin, Heptachlor epoxide, Endosulfan I, Dieldrin, 4,4'-DDE, Endrin, Endosulfan II, 4,4'-DDD, Endosulfan sulfate, 4,4'-DDT, Methoxychlor, Endrin ketone, Endrin aldehyde, cis-Chlordane, trans-Chlordane, Toxaphene

Decachlorobiphenyl BE5W9, BE5X4RE, BE5X4, BE5X5DL, BE5X8, BE5X8RE, BE5Y1, BE5Y2RE, BE5Y2, BE5Z8RE, BE5Z8
alpha-BHC, beta-BHC, delta-BHC, gamma-BHC (Lindane), Heptachlor, Aldrin, Heptachlor epoxide, Endosulfan I, Dieldrin, 4,4'-DDE, Endrin, Endosulfan II, 4,4'-DDD, Endosulfan sulfate, 4,4'-DDT, Methoxychlor, Endrin ketone, Endrin aldehyde, cis-Chlordane, trans-Chlordane, Toxaphene

The following pesticide samples have surrogate recoveries above the upper limit of the criteria window. Detected compounds are qualified J+. Non-detected compounds are not qualified.

Decachlorobiphenyl BE5X0DL, BE5X6DL, BE5Y3, BE5Y3DL, BE5Y3RE
alpha-BHC, beta-BHC, delta-BHC, gamma-BHC (Lindane), Heptachlor, Aldrin, Heptachlor epoxide, Endosulfan I, Dieldrin, 4,4'-DDE, Endrin, Endosulfan II, 4,4'-DDD, Endosulfan sulfate, 4,4'-DDT, Methoxychlor, Endrin ketone, Endrin aldehyde, cis-Chlordane, trans-Chlordane, Toxaphene

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

The relative percent difference (RPD) between the following matrix spike and matrix spike duplicate recoveries is outside criteria. Detected compounds are qualified J. Non-detected compounds are not qualified.



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Dieldrin

BE5X0MS, BE5X0MSD, BE5X0, BE5X0DL

The following matrix/matrix spike duplicate samples have percent recoveries less than the expanded minimum criteria. Detected compounds are qualified J. Non-detected compounds are qualified R.

Dieldrin

BE5X0MS, BE5X0MSD, BE5X0, BE5X0DL

Endrin

BE5X0MS, BE5X0MSD, BE5X0, BE5X0DL, BE5X0MSRE, BE5X0MSDRE, BE5X0RE

4,4'-DDT

BE5X0MS, BE5X0MSD, BE5X0, BE5X0DL

The following pesticide matrix/matrix spike duplicate samples have percent recoveries that are less than the primary lower acceptance limit but greater than or equal to the expanded lower limit of the criteria window. Detected compounds are qualified J. Non-detected compounds are qualified UJ.

gamma-BHC (Lindane)

Heptachlor

Aldrin

BE5X0MS, BE5X0MSD, BE5X0, BE5X0DL, BE5X0MSRE, BE5X0MSDRE, BE5X0RE

Dieldrin

Endrin

BE5X0MS, BE5X0MSD, BE5X0, BE5X0DL

The following pesticide matrix/matrix spike duplicate samples have percent recoveries that are greater than the upper acceptance limit. Detected compounds are qualified J. Non-detected compounds are not qualified.

4,4'-DDT

Dieldrin

BE5X0MSRE, BE5X0MSDRE, BE5X0RE

4. LABORATORY CONTROL RECOVERY (LCS):

LCS data is generated to determine the long-term precision and accuracy of the analytical method. The LCS may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation



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or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the concentration of the analyte in the blank, the analytes are qualified as non-detects, "U". Qualifications were applied to the samples and analytes as shown below.

A) **Method/Instrument blank contamination:**

No problems were found for this criterion.

B) **Field or rinse blank contamination BE612:**

No problems were found for this criterion.

6. **CALIBRATION:**

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) **Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):**

For the PESTICIDE fraction, if %RSD exceeds 20% for all analytes except alpha-BHC and delta-BHC 25%, for the two surrogates and Toxaphene 30%, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

The following pesticide samples are associated with an initial Resolution Check Mixture C in which the percent resolution between two adjacent peaks did not meet the resolution criteria. Detected compounds are qualified NJ. Non-detected compounds are qualified R.

beta-BHC BE5W7DL, BE5W7RE, BE5W8, BE5W8DL, BE5W8RE, BE5W9RE, BE5X0DL, BE5X0RE, BE5X0MSRE, BE5X0MSDRE, BE5X1DL, BE5X1RE, BE5X2RE, BE5X3, BE5X3RE, BE5X4RE, BE5X5, BE5X5DL, BE5X5RE, BE5X6RE, BE5X7RE, BE5X8RE, BE5X9RE, BE5Y0, BE5Y0RE, BE5Y1RE, BE5Y2RE, BE5Y3DL, BE5Y3RE, BE5Z8, BE5Z8RE, BE5Z9RE, BE600RE, PBLK73

B) **The Percent Difference (%D) for each of the SCP and surrogate in the PEM used for CCV must be greater than or equal to -25% and less than or equal to 25.0%. The Percent Difference (%D) between the calibration Factor (CF) for each of the SCP and surrogate in the Calibration Verification Standard (CS3) and the mean calibration factor from the initial calibration must be greater than or equal to -25% and less than or equal to 25.0%. The Percent Difference not within limits, detected associated compounds are qualified "J" and non-detected associated compounds are qualified "UJ". Qualifications were applied to the samples and analytes as shown below.**

The following pesticide samples are associated with a PEM CCV with % Difference exceeding criteria. Detected compounds are qualified J. Non-detected compounds are qualified UJ.



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Decachlorobiphenyl

Tetrachloro-m-xylene

BE5W7, BE5W9, BE5X0, BE5X0MS, BE5X0MSD, BE5X1, BE5X2, BE5X4, BE5X6, BE5X7, BE5X8, BE5X9, BE5Y1, BE5Y2, BE5Y3, BE5Z9, BE600
alpha-BHC, beta-BHC, gamma-BHC (Lindane), Endrin, 4,4'-DDT, Methoxychlor

alpha-BHC

beta-BHC

gamma-BHC (Lindane)

Endrin

4,4-DDT

Methoxychlor

BE5W7, BE5W9, BE5X0, BE5X0MS, BE5X0MSD, BE5X1, BE5X2, BE5X4, BE5X6, BE5X7, BE5X8, BE5X9, BE5Y1, BE5Y2, BE5Y3, BE5Z9, BE600

The following pesticide samples are associated with a CCV (CS3) with % Difference exceeding criteria. Detected compounds are qualified J. Non-detected compounds are qualified UJ.

Decachlorobiphenyl

Tetrachloro-m-xylene

BE5W7RE, BE5W8, BE5W9RE, BE5X0RE, BE5X0MSRE, BE5X0MSDRE, BE5X1RE, BE5X2RE, BE5X3, BE5X4RE, BE5X6RE, BE5X7RE, BE5X8RE, BE5X9RE, BE5Y0, BE5Y1RE, BE5Y2RE, BE5Y3RE, BE5Z8, BE600RE

alpha-BHC, beta-BHC, delta-BHC, gamma-BHC (Lindane), Heptachlor, Aldrin, Heptachlor epoxide, Endosulfan I, Dieldrin, 4,4'-DDE, Endrin, Endosulfan II, 4,4'-DDD, Endosulfan sulfate, 4,4'-DDT, Methoxychlor, Endrin ketone, Endrin aldehyde, cis-Chlordane, trans-Chlordane

alpha-BHC

gamma-BHC (Lindane)

Heptachlor

Endosulfan I

Dieldrin

Endrin

4,4'-DDD

4,4'-DDT

Methoxychlor

BE5W7RE, BE5W8, BE5W9RE, BE5X0RE, BE5X0MSRE, BE5X0MSDRE, BE5X1RE, BE5X2RE, BE5X3, BE5X4RE, BE5X6RE, BE5X7RE, BE5X8RE, BE5X9RE, BE5Y0, BE5Y1RE, BE5Y2RE, BE5Y3RE, BE5Z8, BE600RE

beta-BHC

delta-BHC

Aldrin

cis-Chlordane

trans-Chlordane

Heptachlor epoxide

Endrin aldehyde

Endrin ketone



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4,4'-DDE

Endosulfan II

Endosulfan sulfate

BE5W7RE, BE5W8, BE5W9RE, BE5X0RE, BE5X0MSRE, BE5X0MSDRE, BE5X1RE, BE5X2RE, BE5X3, BE5X4RE, BE5X6RE, BE5X7RE, BE5X8RE, BE5X9RE, BE5Y0, BE5Y1RE, BE5Y2RE, BE5Y3RE, BE5Z8, BE600RE

Decachlorobiphenyl

BE5W8RE, BE5X3RE, BE5X5, BE5Y0RE, BE5Z8RE, BE5Z9RE

alpha-BHC, beta-BHC, delta-BHC, gamma-BHC (Lindane), Heptachlor, Aldrin, Heptachlor epoxide, Endosulfan I, Dieldrin, 4,4'-DDE, Endrin, Endosulfan II, 4,4'-DDD, Endosulfan sulfate, 4,4'-DDT, Methoxychlor, Endrin ketone, Endrin aldehyde, cis-Chlordane, trans-Chlordane

Heptachlor

Endosulfan I

Dieldrin

Endrin

4,4'-DDD

4,4'-DDT

Methoxychlor

BE5W8RE, BE5X3RE, BE5X5, BE5X5RE, BE5Y0RE, BE5Z8RE, BE5Z9RE

Aldrin

4,4'-DDE

Endosulfan II

Endosulfan sulfate

Endrin ketone

Endrin aldehyde

cis-Chlordane

trans-Chlordane

BE5W8RE, BE5X3RE, BE5X5, BE5Y0RE, BE5Z8RE, BE5Z9RE

Decachlorobiphenyl

BE5X5RE

alpha-BHC, gamma-BHC (Lindane), Heptachlor, Endosulfan I, Dieldrin, Endrin, 4,4'-DDD, 4,4'-DDT, Methoxychlor

Aldrin

Heptachlor epoxide

4,4'-DDE

Endosulfan II

Endosulfan sulfate

Endrin ketone

Endrin aldehyde

cis-Chlordane

trans-Chlordane

BE5X5RE

7. FIELD DUPLICATES:



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Samples BE5X2 and BE611:

The pair sample duplicate was not identified in this SDG.

8. COMPOUND IDENTIFICATION:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract. Qualifications were applied to the samples and analytes as shown below.

Percent Differences	Qualifier
0% - 25%	No qualification
26% - 70%	J
71% - 200% (interference detected, either column)	JN
> 50% (pesticide value < CRQL, value raised to CRQL)	U
> 200%	R

The following samples were qualified for % difference on the two columns.

BE5W7, BE5W7DL, BE5W7RE, BE5W8, BE5W8DL, BE5W8RE, BE5W9, BE5W9RE, BE5X0, BE5X0DL, BE5X0MS, BE5X0MSD, BE5X0RE, BE5X0MSRE, BE5X0MSDRE, BE5X1, BE5X1DL, BE5X1RE, BE5X2, BE5X2RE, BE5X3, BE5X3RE, BE5X4, BE5X4RE, BE5X5, BE5X5DL, BE5X5RE, BE5X6, BE5X6RE, BE5X7, BE5X7RE, BE5X8, BE5X8RE, BE5X9, BE5X9RE, BE5Y0, BE5Y2, BE5Y2RE, BE5Y3, BE5Y3DL, BE5Y3RE, BE5Z8, BE5Z8RE, BE5Z9, BE5Z9RE, BE600, BE600RE

9. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

10. FIELD DOCUMENTATION:

No problems were identified.

11. OTHER PROBLEMS:

RESC04: BE5W7, BE5W9, BE5X0, BE5X0MS, BE5X0MSD, BE5X1, BE5X2, BE5X4, BE5X6, BE5X7, BE5X8, BE5X9, BE5Y1, BE5Y2, BE5Y3, BE5Z9, BE600
beta-BHC percent resolution between two adjacent peaks did not meet the primary column resolution criteria for an initial Resolution Check Mixture C associated with all pesticide samples. However, Resolution Check Mixture C was analyzed 48 hours before samples were analyzed. Also all the Individual Standard Mixtures percent resolution were within the resolution criteria window. As per TOCOR and using professional judgment, beta-BHC results are not qualified.

12. DILUTIONS, RE-EXTRactions & REANALYSIS:



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Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

The following dilution samples, one or more analytes have been used.

BE5W7DL, BE5W8DL, BE5X0DL, BE5X1DL, BE5X5DL, BE5Y3DL

The following samples have initial, dilution and or re-analysis. Using professional judgement, best results were reported.

BE5W9, BE5W9RE, BE5X0, BE5X0DL, BE5X0RE, BE5X1, BE5X1DL, BE5X1RE, BE5X4, BE5X4RE, BE5X6, BE5X6RE, BE5X8, BE5X8RE, BE5Y1, BE5Y1RE, BE5Y2, BE5Y2RE, BE600, BE600RE

The following initial analysis and/or re-analysis samples were not used.

BE5W7RE, BE5W8, BE5X2RE, BE5X3, BE5X5, BE5X7RE, BE5X9RE, BE5Y0, BE5Y3RE, BE5Z8, BE5Z9RE, BE5X0MS, BE5X0MSD

ANALYSIS: ARO

The current SOP HW-37A (Revision 0) June 2015, USEPA Region II for the evaluation of ARO data generated through Statement of Work SOM02.2 and any future editorial revisions of SOM02.2 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample quantitation limits), if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATES:

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside Table 5 of the SOP HW-37A (Revision 0), qualifications were applied to the samples and analytes as shown below.

The following samples have surrogate percent recoveries less than the primary lower limit but greater than or equal to the expanded lower limit of the criteria window. Detected compounds are



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qualified J-. Non-detected compounds are qualified UJ.

Decachlorobiphenyl BE5Y0, BE5Z8

Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262, Aroclor-1268

The following Aroclor samples have surrogate recoveries above the upper limit of the criteria window. Detected compounds are qualified J+. Non-detected compounds are not qualified.

Decachlorobiphenyl BE5Y3

Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262, Aroclor-1268

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

The following Aroclor matrix/matrix spike duplicate samples have percent recoveries that are less than the lower acceptance limit. Detected compounds are qualified J. Non-detected compounds are qualified UJ.

Aroclor-1016 BE5X0, BE5X0MS, BE5X0MSD

Aroclor-1260 BE5X0, BE5X0MS, BE5X0MSD

4. Laboratory Control Samples (LCS):

LCS data provides information on the accuracy of the analytical method and laboratory performance. If LCS recoveries fell outside of the acceptable limits, qualifications were applied to the associated samples and compounds as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the concentration of the analyte in the blank, the analytes are qualified as non-detects U. Qualifications were applied to the samples and analytes as shown below.

A) Method blank contamination:

No problems were found for this criterion.



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B) Field or rinse blank contamination: BE612

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Percent Relative Standard Deviation (%RSD):

For the ARO fraction, if %RSD exceeds 20% for all analytes and the two surrogates, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Difference (%D):

For opening CCV, or closing CCV that is used as an opening CCV for the next 12-hour period, if %D exceeds 25% for analytes and the two surrogates, qualify all associated positive results "J" and non-detects "UJ".

For closing CCV, if %D exceeds 50% for all analytes and the two surrogates, qualify all associated positive results "J" and non-detects "UJ". Qualifications were applied to the samples and analytes as shown below.

The following Aroclor samples are associated with an opening or closing CCV other than AR1016/AR1260 with % Difference exceeding criteria. Detected compounds are qualified J. Non-detected compounds are not qualified.

Decachlorobiphenyl

BE5X8, BE5X9, BE5Y1, ABLK71, ALCS71
Aroclor-1268

7. FIELD DUPLICATES: BE5Z0/BE609

Samples BE5X2 and BE611:

The pair sample duplicate was not identified in this SDG.

8. COMPOUND IDENTIFICATION:

A) ARO Fraction:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the



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concentration exceeds 10ng/ml in the final sample extract. Qualifications were applied to the samples and analytes as shown below.

Percent Differences

0% - 25%
26% - 200%
101% - 200% (interference detected, either column)
> 50% (pesticide value < CRQL, value raised to CRQL)
> 200%

Qualifier

No qualification
Professional Judgment
JN
U
R

The following samples were qualified for % difference on the two columns.

BE5W7, BE5W7DL, BE5W8, BE5W8DL, BE5X1, BE5Y1, BE5Y3, BE5Z9

9. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

10. FIELD DOCUMENTATION:

No problems were identified.

11. OTHER PROBLEMS:

None.

12. DILUTIONS, RE-EXTRactions & RE-ANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

The following dilution samples were only used for one or more analytes.

BE5W7DL, BE5W8DL

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: ABLK71	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1221	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1232	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1242	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1248	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1254	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1260	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1262	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1268	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: ALCS71	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	44		ug/kg	44		1.0	YES	S3VEM
Aroclor-1221	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1232	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1242	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1248	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1254	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1260	Spike	37		ug/kg	37		1.0	YES	S3VEM
Aroclor-1262	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1268	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5W7	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: PC23V	pH:	Sample Date: 02/21/2018	Sample Time: 11:00:00
% Moisture:		% Solids: 42.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	78	U	ug/kg	78	U	1.0	YES	S3VEM
Aroclor-1221	Target	78	U	ug/kg	78	U	1.0	YES	S3VEM
Aroclor-1232	Target	78	U	ug/kg	78	U	1.0	YES	S3VEM
Aroclor-1242	Target	78	U	ug/kg	78	U	1.0	YES	S3VEM
Aroclor-1248	Target	78	U	ug/kg	78	U	1.0	YES	S3VEM
Aroclor-1254	Target	3800	J	ug/kg	3800	DP	10.0	YES	S3VEM
Aroclor-1260	Target	5200		ug/kg	5200	D	10.0	YES	S3VEM
Aroclor-1262	Target	78	U	ug/kg	78	U	1.0	YES	S3VEM
Aroclor-1268	Target	78	U	ug/kg	78	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5W7	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: PC23V	pH:	Sample Date: 02/21/2018	Sample Time: 11:00:00
% Moisture:		% Solids: 42.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	4.0	UJ	ug/kg	1.2	JP	1.0	YES	S3VEM
beta-BHC	Target	4.0	UJ	ug/kg	4.0	U	1.0	YES	S3VEM
delta-BHC	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	4.0	UJ	ug/kg	4.0	U	1.0	YES	S3VEM
Heptachlor	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
Aldrin	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
Endosulfan I	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
Dieldrin	Target	270	J	ug/kg	270	DP	10.0	YES	S3VEM
4,4-DDE	Target	200	J	ug/kg	200	DP	10.0	YES	S3VEM
Endrin	Target	7.8	UJ	ug/kg	7.8	U	1.0	YES	S3VEM
Endosulfan II	Target	7.8	U	ug/kg	7.8	U	1.0	YES	S3VEM
4,4-DDD	Target	7.8	U	ug/kg	7.8	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	7.8	U	ug/kg	7.8	U	1.0	YES	S3VEM
4,4-DDT	Target	7.8	UJ	ug/kg	7.8	U	1.0	YES	S3VEM
Methoxychlor	Target	40	UJ	ug/kg	40	U	1.0	YES	S3VEM
Endrin ketone	Target	7.8	U	ug/kg	7.8	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	7.8	U	ug/kg	7.8	U	1.0	YES	S3VEM
cis-Chlordane	Target	330		ug/kg	330	D	10.0	YES	S3VEM
trans-Chlordane	Target	350		ug/kg	350	D	10.0	YES	S3VEM
Toxaphene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5W7	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: PC23V	pH:	Sample Date: 02/21/2018	Sample Time: 11:00:00
% Moisture:		% Solids: 42.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	160	U	ug/kg	160	U	1.0	YES	S3VEM
Benzaldehyde	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
Phenol	Target	290	J	ug/kg	290	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
2-Chlorophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2-Methylphenol	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
Acetophenone	Target	160	J	ug/kg	160	J	1.0	YES	S3VEM
4-Methylphenol	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Hexachloroethane	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Nitrobenzene	Target	120	J	ug/kg	120	J	1.0	YES	S3VEM
Isophorone	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2-Nitrophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Naphthalene	Target	170	J	ug/kg	170	J	1.0	YES	S3VEM
4-Chloroaniline	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Caprolactam	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	200	J	ug/kg	200	J	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	780	UJ	ug/kg	780	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2-Nitroaniline	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Dimethylphthalate	Target	720		ug/kg	720		1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Acenaphthylene	Target	190	J	ug/kg	190	J	1.0	YES	S3VEM
3-Nitroaniline	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
Acenaphthene	Target	150	J	ug/kg	150	J	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
4-Nitrophenol	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
Dibenzofuran	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Diethylphthalate	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Fluorene	Target	140	J	ug/kg	140	J	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
4-Nitroaniline	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Atrazine	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
Pentachlorophenol	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
Phenanthrene	Target	1800		ug/kg	1800		1.0	YES	S3VEM
Anthracene	Target	420		ug/kg	420		1.0	YES	S3VEM
Carbazole	Target	260	J	ug/kg	260	J	1.0	YES	S3VEM
Di-n-butylphthalate	Target	230	J	ug/kg	230	J	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	3000		ug/kg	3000		1.0	YES	S3VEM
Pyrene	Target	2900		ug/kg	2900		1.0	YES	S3VEM
Butylbenzylphthalate	Target	750		ug/kg	750		1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	1600		ug/kg	1600		1.0	YES	S3VEM
Chrysene	Target	1800		ug/kg	1800		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	110000		ug/kg	110000	D	30.0	YES	S3VEM
Di-n-octyl phthalate	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	2300		ug/kg	2300		1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	810		ug/kg	810		1.0	YES	S3VEM
Benzo(a)pyrene	Target	1600		ug/kg	1600		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	1200		ug/kg	1200		1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	380	J	ug/kg	380	J	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	1100		ug/kg	1100		1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Total Alkanes	TIC	1100		ug/kg	1100		1.0	YES	S3VEM
1H-Indene, 2,3-dihydro-1,1,3-trime	TIC	8100	J	ug/kg	8100	J	1.0	YES	S3VEM
7H-Benz[de]anthracen-7-one	TIC	2900	J	ug/kg	2900	J	1.0	YES	S3VEM
unknown-03	TIC	3200	J	ug/kg	3200	J	1.0	YES	S3VEM
3-(4-Methoxybenzylidene)-2-benzofu	TIC	1600	J	ug/kg	1600	J	1.0	YES	S3VEM
unknown-01	TIC	1400	J	ug/kg	1400	J	1.0	YES	S3VEM
7H-Benz[de]anthracen-7-one, 3-brom	TIC	1600	J	ug/kg	1600	J	1.0	YES	S3VEM
unknown-02	TIC	1700	J	ug/kg	1700	J	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5W7	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: PC23V	pH:	Sample Date: 02/21/2018	Sample Time: 11:00:00
% Moisture:		% Solids: 42.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Chloromethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Vinyl chloride	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Bromomethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Chloroethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Acetone	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Carbon disulfide	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Methyl Acetate	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Methylene chloride	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
2-Butanone	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Bromochloromethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Chloroform	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Cyclohexane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Benzene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Trichloroethene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Methylcyclohexane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Bromodichloromethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Toluene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Tetrachloroethene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
2-Hexanone	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Chlorobenzene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Ethylbenzene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
o-xylene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
m,p-Xylene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Styrene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Bromoform	Target	18	UJ	ug/kg	18	U	1.0	YES	S3VEM
Isopropylbenzene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	18	UJ	ug/kg	18	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	18	UJ	ug/kg	18	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	18	UJ	ug/kg	18	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	18	UJ	ug/kg	18	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	18	UJ	ug/kg	18	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	18	UJ	ug/kg	18	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5W8	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: PC23V	pH:	Sample Date: 02/21/2018	Sample Time: 11:05:00
% Moisture:		% Solids: 71.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	46	U	ug/kg	46	U	1.0	YES	S3VEM
Aroclor-1221	Target	46	U	ug/kg	46	U	1.0	YES	S3VEM
Aroclor-1232	Target	46	U	ug/kg	46	U	1.0	YES	S3VEM
Aroclor-1242	Target	46	U	ug/kg	46	U	1.0	YES	S3VEM
Aroclor-1248	Target	46	U	ug/kg	46	U	1.0	YES	S3VEM
Aroclor-1254	Target	2600	J	ug/kg	2600	DP	10.0	YES	S3VEM
Aroclor-1260	Target	2800		ug/kg	2800	D	10.0	YES	S3VEM
Aroclor-1262	Target	46	U	ug/kg	46	U	1.0	YES	S3VEM
Aroclor-1268	Target	46	U	ug/kg	46	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5W8	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: PC23V	pH:	Sample Date: 02/21/2018	Sample Time: 11:05:00
% Moisture:		% Solids: 71.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.4	UJ	ug/kg	2.4	U	1.0	YES	S3VEM
beta-BHC	Target	2.4	R	ug/kg	2.4	U	1.0	YES	S3VEM
delta-BHC	Target	2.4	UJ	ug/kg	2.4	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.4	UJ	ug/kg	2.4	U	1.0	YES	S3VEM
Heptachlor	Target	2.4	UJ	ug/kg	2.4	U	1.0	YES	S3VEM
Aldrin	Target	2.4	UJ	ug/kg	2.4	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.4	UJ	ug/kg	2.4	U	1.0	YES	S3VEM
Endosulfan I	Target	2.4	UJ	ug/kg	2.4	U	1.0	YES	S3VEM
Dieldrin	Target	120	J	ug/kg	120	DP	20.0	YES	S3VEM
4,4-DDE	Target	390		ug/kg	390	D	20.0	YES	S3VEM
Endrin	Target	54	NJ	ug/kg	54	P	1.0	YES	S3VEM
Endosulfan II	Target	4.6	UJ	ug/kg	4.6	U	1.0	YES	S3VEM
4,4-DDD	Target	120	J	ug/kg	120	DP	20.0	YES	S3VEM
Endosulfan Sulfate	Target	4.6	UJ	ug/kg	4.6	U	1.0	YES	S3VEM
4,4-DDT	Target	740		ug/kg	740	D	20.0	YES	S3VEM
Methoxychlor	Target	24	UJ	ug/kg	24	U	1.0	YES	S3VEM
Endrin ketone	Target	4.6	UJ	ug/kg	4.6	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	4.6	UJ	ug/kg	4.6	U	1.0	YES	S3VEM
cis-Chlordane	Target	190		ug/kg	190	D	20.0	YES	S3VEM
trans-Chlordane	Target	160		ug/kg	160	D	20.0	YES	S3VEM
Toxaphene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5W8	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: PC23V	pH:	Sample Date: 02/21/2018	Sample Time: 11:05:00
% Moisture:		% Solids: 71.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	93	U	ug/kg	93	U	1.0	YES	S3VEM
Benzaldehyde	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Phenol	Target	170	J	ug/kg	170	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2-Chlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2-Methylphenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Acetophenone	Target	73	J	ug/kg	73	J	1.0	YES	S3VEM
4-Methylphenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Hexachloroethane	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Nitrobenzene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Isophorone	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2-Nitrophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Naphthalene	Target	120	J	ug/kg	120	J	1.0	YES	S3VEM
4-Chloroaniline	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Caprolactam	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	97	J	ug/kg	97	J	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	460	UJ	ug/kg	460	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2-Nitroaniline	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Dimethylphthalate	Target	460		ug/kg	460		1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Acenaphthylene	Target	120	J	ug/kg	120	J	1.0	YES	S3VEM
3-Nitroaniline	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Acenaphthene	Target	140	J	ug/kg	140	J	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
4-Nitrophenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Dibenzofuran	Target	91	J	ug/kg	91	J	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Diethylphthalate	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Fluorene	Target	140	J	ug/kg	140	J	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
4-Nitroaniline	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Atrazine	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Pentachlorophenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Phenanthrene	Target	1700		ug/kg	1700		1.0	YES	S3VEM
Anthracene	Target	350		ug/kg	350		1.0	YES	S3VEM
Carbazole	Target	200	J	ug/kg	200	J	1.0	YES	S3VEM
Di-n-butylphthalate	Target	89	J	ug/kg	89	J	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	2200		ug/kg	2200		1.0	YES	S3VEM
Pyrene	Target	2000		ug/kg	2000		1.0	YES	S3VEM
Butylbenzylphthalate	Target	450		ug/kg	450		1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	1100		ug/kg	1100		1.0	YES	S3VEM
Chrysene	Target	1200		ug/kg	1200		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	41000		ug/kg	41000	D	20.0	YES	S3VEM
Di-n-octyl phthalate	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	1400		ug/kg	1400		1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	490		ug/kg	490		1.0	YES	S3VEM
Benzo(a)pyrene	Target	1000		ug/kg	1000		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	670		ug/kg	670		1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	180	J	ug/kg	180	J	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	640		ug/kg	640		1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
unknown-03	TIC	1700	J	ug/kg	1700	J	1.0	YES	S3VEM
unknown-02	TIC	1900	J	ug/kg	1900	J	1.0	YES	S3VEM
Mitotane	TIC	1700	J	ug/kg	1700	J	1.0	YES	S3VEM
1H-Indene, 2,3-dihydro-1,1,3-trime	TIC	3500	J	ug/kg	3500	J	1.0	YES	S3VEM
Total Alkanes	TIC	290		ug/kg	290		1.0	YES	S3VEM
7H-Benz[de]anthracen-7-one	TIC	760	J	ug/kg	760	J	1.0	YES	S3VEM
3-(4-Methoxybenzylidene)-2-benzofu	TIC	590	J	ug/kg	590	J	1.0	YES	S3VEM
7H-Benz[de]anthracen-7-one, 3-brom	TIC	930	J	ug/kg	930	J	1.0	YES	S3VEM
unknown-01	TIC	910	J	ug/kg	910	J	1.0	YES	S3VEM
10H-Phenothiazine, 2-chloro-	TIC	350	J	ug/kg	350	J	1.0	YES	S3VEM
9,10-Anthracenenedione	TIC	750	J	ug/kg	750	J	1.0	YES	S3VEM
Phenanthrene, 2-methyl-	TIC	650	J	ug/kg	650	J	1.0	YES	S3VEM
10H-Phenothiazine, 2-chloro-10-(3-	TIC	200	J	ug/kg	200	J	1.0	YES	S3VEM
1,1-Biphenyl, 2,3,4,4,5-pentach	TIC	210	J	ug/kg	210	J	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5W8	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: PC23V	pH:	Sample Date: 02/21/2018	Sample Time: 11:05:00
% Moisture:		% Solids: 71.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Chloromethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Vinyl chloride	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Bromomethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Chloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Acetone	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Carbon disulfide	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Methyl Acetate	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Methylene chloride	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
2-Butanone	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Bromochloromethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Chloroform	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Cyclohexane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Benzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Trichloroethene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Methylcyclohexane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Bromodichloromethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Toluene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Tetrachloroethene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
2-Hexanone	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Chlorobenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Ethylbenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
o-xylene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
m,p-Xylene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Styrene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Bromoform	Target	11	UJ	ug/kg	11	U	1.0	YES	S3VEM
Isopropylbenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	11	UJ	ug/kg	11	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	11	UJ	ug/kg	11	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	11	UJ	ug/kg	11	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	11	UJ	ug/kg	11	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	11	UJ	ug/kg	11	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	11	UJ	ug/kg	11	U	1.0	YES	S3VEM
Total Alkanes	TIC	8.5	B	ug/kg	8.5	B	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5W9	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: PC23V	pH:	Sample Date: 02/21/2018	Sample Time: 11:10:00
% Moisture:		% Solids: 84.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1221	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1232	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1242	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1248	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1254	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1260	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1262	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1268	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5W9	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: PC23V	pH:	Sample Date: 02/21/2018	Sample Time: 11:10:00
% Moisture:		% Solids: 84.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
beta-BHC	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
delta-BHC	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
Heptachlor	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
Aldrin	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
Endosulfan I	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
Dieldrin	Target	4.9	R	ug/kg	4.9	P	1.0	YES	S3VEM
4,4-DDE	Target	6.1	J	ug/kg	6.1	P	1.0	YES	S3VEM
Endrin	Target	3.9	UJ	ug/kg	3.9	U	1.0	YES	S3VEM
Endosulfan II	Target	3.9	UJ	ug/kg	3.9	U	1.0	YES	S3VEM
4,4-DDD	Target	3.9	UJ	ug/kg	3.9	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	3.9	UJ	ug/kg	3.9	U	1.0	YES	S3VEM
4,4-DDT	Target	8.3	J	ug/kg	8.3	P	1.0	YES	S3VEM
Methoxychlor	Target	20	UJ	ug/kg	20	U	1.0	YES	S3VEM
Endrin ketone	Target	3.9	UJ	ug/kg	3.9	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	3.9	UJ	ug/kg	3.9	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.6	J	ug/kg	2.6		1.0	YES	S3VEM
trans-Chlordane	Target	1.5	J	ug/kg	1.5	JP	1.0	YES	S3VEM
Toxaphene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5W9	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: PC23V	pH:	Sample Date: 02/21/2018	Sample Time: 11:10:00
% Moisture:		% Solids: 84.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	79	U	ug/kg	79	U	1.0	YES	S3VEM
Benzaldehyde	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Phenol	Target	170	J	ug/kg	170	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2-Chlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2-Methylphenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Acetophenone	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
4-Methylphenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Hexachloroethane	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Nitrobenzene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Isophorone	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2-Nitrophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Naphthalene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
4-Chloroaniline	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Caprolactam	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2-Nitroaniline	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Dimethylphthalate	Target	670		ug/kg	670		1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Acenaphthylene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
3-Nitroaniline	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Acenaphthene	Target	79	J	ug/kg	79	J	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
4-Nitrophenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Dibenzofuran	Target	54	J	ug/kg	54	J	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Diethylphthalate	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Fluorene	Target	62	J	ug/kg	62	J	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
4-Nitroaniline	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Atrazine	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Pentachlorophenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Phenanthrene	Target	1100		ug/kg	1100		1.0	YES	S3VEM
Anthracene	Target	160	J	ug/kg	160	J	1.0	YES	S3VEM
Carbazole	Target	91	J	ug/kg	91	J	1.0	YES	S3VEM
Di-n-butylphthalate	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	1300		ug/kg	1300		1.0	YES	S3VEM
Pyrene	Target	1200		ug/kg	1200		1.0	YES	S3VEM
Butylbenzylphthalate	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	540		ug/kg	540		1.0	YES	S3VEM
Chrysene	Target	560		ug/kg	560		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	360		ug/kg	360		1.0	YES	S3VEM
Di-n-octyl phthalate	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	640		ug/kg	640		1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	210		ug/kg	210		1.0	YES	S3VEM
Benzo(a)pyrene	Target	480		ug/kg	480		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	280		ug/kg	280		1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	84	J	ug/kg	84	J	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	250		ug/kg	250		1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
unknown-01	TIC	85	J	ug/kg	85	J	1.0	YES	S3VEM
Total Alkanes	TIC	170		ug/kg	170		1.0	YES	S3VEM
Anthracene, 1,4-dimethyl-	TIC	85	J	ug/kg	85	J	1.0	YES	S3VEM
Naphtho[2,1-b]thiophene	TIC	86	J	ug/kg	86	J	1.0	YES	S3VEM
5H-Dibenzo[a,d]cycloheptene	TIC	89	J	ug/kg	89	J	1.0	YES	S3VEM
Tricyclo[8.2.2.2(4,7)]hexadeca-2,4-	TIC	110	J	ug/kg	110	J	1.0	YES	S3VEM
9,10-Anthracenedione	TIC	130	J	ug/kg	130	J	1.0	YES	S3VEM
Cyclopenta(def)phenanthrenone	TIC	130	J	ug/kg	130	J	1.0	YES	S3VEM
1H-Cyclopropa[l]phenanthrene, 1a,9b	TIC	140	J	ug/kg	140	J	1.0	YES	S3VEM
Pyrene, 1-methyl-	TIC	84	J	ug/kg	84	J	1.0	YES	S3VEM
Octadecanoic acid	TIC	93	J	ug/kg	93	J	1.0	YES	S3VEM
Benzo[e]pyrene	TIC	310	J	ug/kg	310	J	1.0	YES	S3VEM
5H-Benzocyclohepten-5-one, 2,3,4,6	TIC	130	J	ug/kg	130	J	1.0	YES	S3VEM
Carbonic acid, ethyl 2-formyl-4,6-	TIC	240	J	ug/kg	240	J	1.0	YES	S3VEM
11H-Benzo[b]fluorene	TIC	150	J	ug/kg	150	J	1.0	YES	S3VEM
Behenic alcohol	TIC	280	J	ug/kg	280	J	1.0	YES	S3VEM
n-Hexadecanoic acid	TIC	610	J	ug/kg	610	J	1.0	YES	S3VEM
9H-Fluoren-9-one	TIC	79	J	ug/kg	79	J	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5W9	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: PC23V	pH:	Sample Date: 02/21/2018	Sample Time: 11:10:00
% Moisture:		% Solids: 84.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Chloromethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Vinyl chloride	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Bromomethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Chloroethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Acetone	Target	27	U	ug/kg	27	U	1.0	YES	S3VEM
Carbon disulfide	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Methyl Acetate	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Methylene chloride	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
2-Butanone	Target	27	U	ug/kg	27	U	1.0	YES	S3VEM
Bromochloromethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Chloroform	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Cyclohexane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Benzene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Trichloroethene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Methylcyclohexane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Bromodichloromethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	27	U	ug/kg	27	U	1.0	YES	S3VEM
Toluene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Tetrachloroethene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
2-Hexanone	Target	27	U	ug/kg	27	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Chlorobenzene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Ethylbenzene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
o-xylene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
m,p-Xylene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Styrene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Bromoform	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Isopropylbenzene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X0	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: PC23V	pH:	Sample Date: 02/21/2018	Sample Time: 11:15:00
% Moisture:		% Solids: 80.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1221	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1232	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1242	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1248	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1254	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1260	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1262	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1268	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X0	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: PC23V	pH:	Sample Date: 02/21/2018	Sample Time: 11:15:00
% Moisture:		% Solids: 80.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.1	UJ	ug/kg	0.63	JP	1.0	YES	S3VEM
beta-BHC	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
delta-BHC	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
Heptachlor	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
Aldrin	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
Endosulfan I	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
Dieldrin	Target	4.1	UJ	ug/kg	4.0	JP	1.0	YES	S3VEM
4,4-DDE	Target	35	NJ	ug/kg	35	P	1.0	YES	S3VEM
Endrin	Target	4.1	R	ug/kg	4.1	U	1.0	YES	S3VEM
Endosulfan II	Target	4.1	UJ	ug/kg	4.1	U	1.0	YES	S3VEM
4,4-DDD	Target	4.1	UJ	ug/kg	4.1	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	4.1	UJ	ug/kg	4.1	U	1.0	YES	S3VEM
4,4-DDT	Target	150	J	ug/kg	150	D	5.0	YES	S3VEM
Methoxychlor	Target	21	UJ	ug/kg	21	U	1.0	YES	S3VEM
Endrin ketone	Target	4.1	UJ	ug/kg	4.1	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	4.1	UJ	ug/kg	4.1	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
trans-Chlordane	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
Toxaphene	Target	210	UJ	ug/kg	210	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X0	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: PC23V	pH:	Sample Date: 02/21/2018	Sample Time: 11:15:00
% Moisture:		% Solids: 80.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	83	U	ug/kg	83	U	1.0	YES	S3VEM
Benzaldehyde	Target	410	U	ug/kg	410	U	1.0	YES	S3VEM
Phenol	Target	150	J	ug/kg	150	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	410	U	ug/kg	410	U	1.0	YES	S3VEM
2-Chlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2-Methylphenol	Target	410	U	ug/kg	410	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	410	U	ug/kg	410	U	1.0	YES	S3VEM
Acetophenone	Target	410	U	ug/kg	410	U	1.0	YES	S3VEM
4-Methylphenol	Target	410	U	ug/kg	410	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Hexachloroethane	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Nitrobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Isophorone	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2-Nitrophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Naphthalene	Target	170	J	ug/kg	170	J	1.0	YES	S3VEM
4-Chloroaniline	Target	410	U	ug/kg	410	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Caprolactam	Target	410	U	ug/kg	410	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	77	J	ug/kg	77	J	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	410	UJ	ug/kg	410	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2-Nitroaniline	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Dimethylphthalate	Target	380		ug/kg	380		1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Acenaphthylene	Target	540		ug/kg	540		1.0	YES	S3VEM
3-Nitroaniline	Target	410	U	ug/kg	410	U	1.0	YES	S3VEM
Acenaphthene	Target	360		ug/kg	360		1.0	YES	S3VEM
2,4-Dinitrophenol	Target	410	U	ug/kg	410	U	1.0	YES	S3VEM
4-Nitrophenol	Target	410	U	ug/kg	410	U	1.0	YES	S3VEM
Dibenzofuran	Target	200	J	ug/kg	200	J	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Diethylphthalate	Target	90	J	ug/kg	90	J	1.0	YES	S3VEM
Fluorene	Target	420		ug/kg	420		1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
4-Nitroaniline	Target	410	U	ug/kg	410	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	410	U	ug/kg	410	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Atrazine	Target	410	U	ug/kg	410	U	1.0	YES	S3VEM
Pentachlorophenol	Target	410	U	ug/kg	410	U	1.0	YES	S3VEM
Phenanthrene	Target	5000		ug/kg	5000	D	5.0	YES	S3VEM
Anthracene	Target	1300		ug/kg	1300		1.0	YES	S3VEM
Carbazole	Target	430		ug/kg	430		1.0	YES	S3VEM
Di-n-butylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	7500		ug/kg	7500	D	5.0	YES	S3VEM
Pyrene	Target	7300		ug/kg	7300	D	5.0	YES	S3VEM
Butylbenzylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	410	U	ug/kg	410	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	4100		ug/kg	4100	D	5.0	YES	S3VEM
Chrysene	Target	3800		ug/kg	3800	D	5.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	410	U	ug/kg	410	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	4500		ug/kg	4500	D	5.0	YES	S3VEM
Benzo(k)fluoranthene	Target	1400		ug/kg	1400		1.0	YES	S3VEM
Benzo(a)pyrene	Target	3800		ug/kg	3800	D	5.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	2200		ug/kg	2200		1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	720		ug/kg	720		1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	1900		ug/kg	1900		1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
9H-Fluoren-9-one	TIC	190	J	ug/kg	190	J	1.0	YES	S3VEM
Phenanthere, 3,6-dimethyl-	TIC	200	J	ug/kg	200	J	1.0	YES	S3VEM
6H-Dibenzo[b,d]-pyran	TIC	200	J	ug/kg	200	J	1.0	YES	S3VEM
Acridine	TIC	200	J	ug/kg	200	J	1.0	YES	S3VEM
4-Methylnaphtho[1,2-b]thiophene	TIC	210	J	ug/kg	210	J	1.0	YES	S3VEM
9H-Fluorene, 1-methyl-	TIC	250	J	ug/kg	250	J	1.0	YES	S3VEM
Anthracene, 2-ethyl-	TIC	260	J	ug/kg	260	J	1.0	YES	S3VEM
9,10-Bis(bromomethyl)anthracene	TIC	290	J	ug/kg	290	J	1.0	YES	S3VEM
Dibenzothiophene	TIC	320	J	ug/kg	320	J	1.0	YES	S3VEM
9,10-Anthracenedione	TIC	450	J	ug/kg	450	J	1.0	YES	S3VEM
Tricyclo[8.2.2.2(4,7)]hexadeca-2,4	TIC	500	J	ug/kg	500	J	1.0	YES	S3VEM
Cyclopenta(def)phenanthrenone	TIC	560	J	ug/kg	560	J	1.0	YES	S3VEM
Phenanthere, 2,5-dimethyl-	TIC	560	J	ug/kg	560	J	1.0	YES	S3VEM
1H-Cyclopropa[l]phenanthrene,1a,9b	TIC	570	J	ug/kg	570	J	1.0	YES	S3VEM
Phenanthere, 2-methyl-	TIC	790	J	ug/kg	790	J	1.0	YES	S3VEM
Anthra(1,2-b)thiophene	TIC	86	J	ug/kg	86	J	1.0	YES	S3VEM
Cyclopenta(cd)pyrene, 3,4-dihydro-	TIC	87	J	ug/kg	87	J	1.0	YES	S3VEM
Chrysene, 1-methyl-	TIC	100	J	ug/kg	100	J	1.0	YES	S3VEM
Pyrene, 1-methyl-	TIC	110	J	ug/kg	110	J	1.0	YES	S3VEM
Phenanthere, 1-methyl-	TIC	1300	J	ug/kg	1300	J	1.0	YES	S3VEM
Cyclopenta[cd]pyrene	TIC	150	J	ug/kg	150	J	1.0	YES	S3VEM
4H-Cyclopenta[def]phenanthrene	TIC	1500	J	ug/kg	1500	J	1.0	YES	S3VEM
11H-Benzo[b]fluorene	TIC	230	J	ug/kg	230	J	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM
unknown-01	TIC	170	J	ug/kg	170	J	1.0	YES	S3VEM
di-p-Tolylacetylene	TIC	170	J	ug/kg	170	J	1.0	YES	S3VEM
Naphthalene, 1,2-dihydro-4-phenyl-	TIC	160	J	ug/kg	160	J	1.0	YES	S3VEM
3-Methylcarbazole	TIC	140	J	ug/kg	140	J	1.0	YES	S3VEM
9H-Fluoren-9-ol	TIC	190	J	ug/kg	190	J	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X0	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: PC23V	pH:	Sample Date: 02/21/2018	Sample Time: 11:15:00
% Moisture:		% Solids: 80.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Chloromethane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Bromomethane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Chloroethane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Acetone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Methylene chloride	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
2-Butanone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Chloroform	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Cyclohexane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Benzene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Trichloroethene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Toluene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
2-Hexanone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
o-xylene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Styrene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Bromoform	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X0MS	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 02/21/2018	Sample Time: 11:15:00
% Moisture:		% Solids: 80.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	160	J	ug/kg	160		1.0	YES	S3VEM
Aroclor-1221	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1232	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1242	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1248	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1254	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1260	Spike	130	J	ug/kg	130		1.0	YES	S3VEM
Aroclor-1262	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1268	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X0MS	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 02/21/2018	Sample Time: 11:15:00
% Moisture:		% Solids: 80.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.1	UJ	ug/kg	0.30	JP	1.0	YES	S3VEM
beta-BHC	Target	2.1	R	ug/kg	2.1	U	1.0	YES	S3VEM
delta-BHC	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	6.8	J-	ug/kg	6.8	P	1.0	YES	S3VEM
Heptachlor	Spike	4.7	J-	ug/kg	4.7	P	1.0	YES	S3VEM
Aldrin	Spike	4.4	J-	ug/kg	4.4	P	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
Endosulfan I	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
Dieldrin	Spike	17	J-	ug/kg	17	P	1.0	YES	S3VEM
4,4-DDE	Target	7.5	J-	ug/kg	7.5	P	1.0	YES	S3VEM
Endrin	Spike	7.6	J-	ug/kg	7.6	P	1.0	YES	S3VEM
Endosulfan II	Target	4.1	UJ	ug/kg	4.1	U	1.0	YES	S3VEM
4,4-DDD	Target	4.1	UJ	ug/kg	4.1	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	4.1	UJ	ug/kg	4.1	U	1.0	YES	S3VEM
4,4-DDT	Spike	36	J-	ug/kg	36	P	1.0	YES	S3VEM
Methoxychlor	Target	21	UJ	ug/kg	21	U	1.0	YES	S3VEM
Endrin ketone	Target	4.1	UJ	ug/kg	4.1	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	4.1	UJ	ug/kg	4.1	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
trans-Chlordane	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
Toxaphene	Target	210	UJ	ug/kg	210	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X0MSD	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 02/21/2018	Sample Time: 11:15:00
% Moisture:		% Solids: 80.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	130	J	ug/kg	130		1.0	YES	S3VEM
Aroclor-1221	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1232	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1242	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1248	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1254	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1260	Spike	110	J	ug/kg	110		1.0	YES	S3VEM
Aroclor-1262	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1268	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X0MSD	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 02/21/2018	Sample Time: 11:15:00
% Moisture:		% Solids: 80.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.1	UJ	ug/kg	0.48	JP	1.0	YES	S3VEM
beta-BHC	Target	2.1	R	ug/kg	2.1	U	1.0	YES	S3VEM
delta-BHC	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	6.8	J-	ug/kg	6.8	P	1.0	YES	S3VEM
Heptachlor	Spike	4.4	J-	ug/kg	4.4	P	1.0	YES	S3VEM
Aldrin	Spike	4.3	J-	ug/kg	4.3	P	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
Endosulfan I	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
Dieldrin	Spike	14	NJ	ug/kg	14	P	1.0	YES	S3VEM
4,4-DDE	Target	6.4	NJ	ug/kg	6.4	P	1.0	YES	S3VEM
Endrin	Spike	7.7	J-	ug/kg	7.7	P	1.0	YES	S3VEM
Endosulfan II	Target	4.1	UJ	ug/kg	4.1	U	1.0	YES	S3VEM
4,4-DDD	Target	4.1	UJ	ug/kg	4.1	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	4.1	UJ	ug/kg	4.1	U	1.0	YES	S3VEM
4,4-DDT	Spike	37	J-	ug/kg	37	P	1.0	YES	S3VEM
Methoxychlor	Target	21	UJ	ug/kg	21	U	1.0	YES	S3VEM
Endrin ketone	Target	4.1	UJ	ug/kg	4.1	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	4.1	UJ	ug/kg	4.1	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
trans-Chlordane	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
Toxaphene	Target	210	UJ	ug/kg	210	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X1	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: PC23(1)	pH:	Sample Date: 02/21/2018	Sample Time: 09:50:00
% Moisture:		% Solids: 58.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	56	U	ug/kg	56	U	1.0	YES	S3VEM
Aroclor-1221	Target	56	U	ug/kg	56	U	1.0	YES	S3VEM
Aroclor-1232	Target	56	U	ug/kg	56	U	1.0	YES	S3VEM
Aroclor-1242	Target	56	U	ug/kg	56	U	1.0	YES	S3VEM
Aroclor-1248	Target	56	U	ug/kg	56	U	1.0	YES	S3VEM
Aroclor-1254	Target	56	U	ug/kg	56	U	1.0	YES	S3VEM
Aroclor-1260	Target	740	J	ug/kg	56	P	1.0	YES	S3VEM
Aroclor-1262	Target	56	U	ug/kg	56	U	1.0	YES	S3VEM
Aroclor-1268	Target	56	U	ug/kg	56	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X1	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: PC23(1)	pH:	Sample Date: 02/21/2018	Sample Time: 09:50:00
% Moisture:		% Solids: 58.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.9	UJ	ug/kg	2.9	U	1.0	YES	S3VEM
beta-BHC	Target	2.9	UJ	ug/kg	2.9	U	1.0	YES	S3VEM
delta-BHC	Target	2.9	UJ	ug/kg	2.9	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.9	UJ	ug/kg	2.9	U	1.0	YES	S3VEM
Heptachlor	Target	2.9	UJ	ug/kg	2.9	U	1.0	YES	S3VEM
Aldrin	Target	2.9	UJ	ug/kg	2.9	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	8.0	NJ	ug/kg	8.0	P	1.0	YES	S3VEM
Endosulfan I	Target	2.9	UJ	ug/kg	2.9	U	1.0	YES	S3VEM
Dieldrin	Target	68	J	ug/kg	68	DP	10.0	YES	S3VEM
4,4-DDE	Target	220	J	ug/kg	220	DP	10.0	YES	S3VEM
Endrin	Target	18	R	ug/kg	18	P	1.0	YES	S3VEM
Endosulfan II	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
4,4-DDD	Target	55	J	ug/kg	55		1.0	YES	S3VEM
Endosulfan Sulfate	Target	13	NJ	ug/kg	13	P	1.0	YES	S3VEM
4,4-DDT	Target	740		ug/kg	740	DP	10.0	YES	S3VEM
Methoxychlor	Target	29	UJ	ug/kg	29	U	1.0	YES	S3VEM
Endrin ketone	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
cis-Chlordane	Target	100		ug/kg	100	D	10.0	YES	S3VEM
trans-Chlordane	Target	44	J	ug/kg	44	P	1.0	YES	S3VEM
Toxaphene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X1	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: PC23(1)	pH:	Sample Date: 02/21/2018	Sample Time: 09:50:00
% Moisture:		% Solids: 58.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	110	UJ	ug/kg	110	U	1.0	YES	S3VEM
Benzaldehyde	Target	560	U	ug/kg	560	U	1.0	YES	S3VEM
Phenol	Target	160	J	ug/kg	160	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	560	U	ug/kg	560	U	1.0	YES	S3VEM
2-Chlorophenol	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
2-Methylphenol	Target	560	U	ug/kg	560	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	560	U	ug/kg	560	U	1.0	YES	S3VEM
Acetophenone	Target	560	U	ug/kg	560	U	1.0	YES	S3VEM
4-Methylphenol	Target	560	U	ug/kg	560	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Hexachloroethane	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Nitrobenzene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Isophorone	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
2-Nitrophenol	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Naphthalene	Target	100	J	ug/kg	100	J	1.0	YES	S3VEM
4-Chloroaniline	Target	560	U	ug/kg	560	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Caprolactam	Target	560	U	ug/kg	560	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	560	UJ	ug/kg	560	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
2-Nitroaniline	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Dimethylphthalate	Target	450		ug/kg	450		1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Acenaphthylene	Target	160	J	ug/kg	160	J	1.0	YES	S3VEM
3-Nitroaniline	Target	560	U	ug/kg	560	U	1.0	YES	S3VEM
Acenaphthene	Target	230	J	ug/kg	230	J	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	560	UJ	ug/kg	560	U	1.0	YES	S3VEM
4-Nitrophenol	Target	560	U	ug/kg	560	U	1.0	YES	S3VEM
Dibenzofuran	Target	120	J	ug/kg	120	J	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Diethylphthalate	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Fluorene	Target	210	J	ug/kg	210	J	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
4-Nitroaniline	Target	560	U	ug/kg	560	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	560	UJ	ug/kg	560	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Atrazine	Target	560	U	ug/kg	560	U	1.0	YES	S3VEM
Pentachlorophenol	Target	560	U	ug/kg	560	U	1.0	YES	S3VEM
Phenanthrene	Target	3500		ug/kg	3500		1.0	YES	S3VEM
Anthracene	Target	640		ug/kg	640		1.0	YES	S3VEM
Carbazole	Target	250	J	ug/kg	250	J	1.0	YES	S3VEM
Di-n-butylphthalate	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	5000		ug/kg	5000		1.0	YES	S3VEM
Pyrene	Target	5300		ug/kg	5300	D	5.0	YES	S3VEM
Butylbenzylphthalate	Target	170	J	ug/kg	170	J	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	560	U	ug/kg	560	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	2500		ug/kg	2500		1.0	YES	S3VEM
Chrysene	Target	2500		ug/kg	2500		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	7900		ug/kg	7900	D	5.0	YES	S3VEM
Di-n-octyl phthalate	Target	560	U	ug/kg	560	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	2700		ug/kg	2700		1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	1000		ug/kg	1000		1.0	YES	S3VEM
Benzo(a)pyrene	Target	2200		ug/kg	2200		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	1300		ug/kg	1300		1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	430		ug/kg	430		1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	1300		ug/kg	1300		1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Phenanthrene, 1,7-dimethyl-	TIC	540	J	ug/kg	540	J	1.0	YES	S3VEM
Cyclopenta(def)phenanthrenone	TIC	560	J	ug/kg	560	J	1.0	YES	S3VEM
11H-Benzo[a]fluoren-11-one	TIC	150	J	ug/kg	150	J	1.0	YES	S3VEM
Pyrene, 2-methyl-	TIC	160	J	ug/kg	160	J	1.0	YES	S3VEM
Benzo[c]cinnoline	TIC	690	J	ug/kg	690	J	1.0	YES	S3VEM
Fluoranthene, 2-methyl-	TIC	170	J	ug/kg	170	J	1.0	YES	S3VEM
3,5-Dimethoxy-4-hydroxycinnamaldehyde	TIC	750	J	ug/kg	750	J	1.0	YES	S3VEM
Phenanthrene, 1-methyl-	TIC	770	J	ug/kg	770	J	1.0	YES	S3VEM
unknown-03	TIC	200	J	ug/kg	200	J	1.0	YES	S3VEM
unknown-02	TIC	1100	J	ug/kg	1100	J	1.0	YES	S3VEM
4H-Cyclopenta[def]phenanthrene	TIC	1200	J	ug/kg	1200	J	1.0	YES	S3VEM
Octadecanoic acid	TIC	300	J	ug/kg	300	J	1.0	YES	S3VEM
11H-Benzo[a]fluorene	TIC	310	J	ug/kg	310	J	1.0	YES	S3VEM
1H-Cyclopropa[l]phenanthrene,1a,9b	TIC	2100	J	ug/kg	2100	J	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM
Benzo[b]naphtho[2,3-d]thiophene	TIC	120	J	ug/kg	120	J	1.0	YES	S3VEM
4-((1E)-3-Hydroxy-1-propenyl)-2-methyl-	TIC	450	J	ug/kg	450	J	1.0	YES	S3VEM
1,2,4,8-Tetramethylbicyclo[6.3.0]undecane	TIC	390	J	ug/kg	390	J	1.0	YES	S3VEM
Phenanthrene, 3,6-dimethyl-	TIC	290	J	ug/kg	290	J	1.0	YES	S3VEM
Benzophenone	TIC	330	J	ug/kg	330	J	1.0	YES	S3VEM
Dibenzofuran, 4-methyl-	TIC	280	J	ug/kg	280	J	1.0	YES	S3VEM
unknown-01	TIC	240	J	ug/kg	240	J	1.0	YES	S3VEM
Dibenzothiophene, 4-methyl-	TIC	210	J	ug/kg	210	J	1.0	YES	S3VEM
Naphtho[1,2-b]thiophene	TIC	200	J	ug/kg	200	J	1.0	YES	S3VEM
9H-Fluoren-9-one	TIC	170	J	ug/kg	170	J	1.0	YES	S3VEM
Anthracene, 1,2,3,4-tetrahydro-di-p-Tolylacetylene	TIC	170	J	ug/kg	170	J	1.0	YES	S3VEM
Phenanthrene, 4,5-dimethyl-	TIC	160	J	ug/kg	160	J	1.0	YES	S3VEM
Methacrylamide	TIC	150	J	ug/kg	150	J	1.0	YES	S3VEM
	TIC	240	J	ug/kg	240	J	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X1	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: PC23(1)	pH:	Sample Date: 02/21/2018	Sample Time: 09:50:00
% Moisture:		% Solids: 58.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Chloromethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Vinyl chloride	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Bromomethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Chloroethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Acetone	Target	49	U	ug/kg	49	U	1.0	YES	S3VEM
Carbon disulfide	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Methyl Acetate	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Methylene chloride	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
2-Butanone	Target	49	U	ug/kg	49	U	1.0	YES	S3VEM
Bromochloromethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Chloroform	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Cyclohexane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Benzene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Trichloroethene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Methylcyclohexane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Bromodichloromethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	49	U	ug/kg	49	U	1.0	YES	S3VEM
Toluene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Tetrachloroethene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
2-Hexanone	Target	49	U	ug/kg	49	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Chlorobenzene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Ethylbenzene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
o-xylene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
m,p-Xylene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Styrene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Bromoform	Target	25	UJ	ug/kg	25	U	1.0	YES	S3VEM
Isopropylbenzene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	25	UJ	ug/kg	25	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	25	UJ	ug/kg	25	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	25	UJ	ug/kg	25	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	25	UJ	ug/kg	25	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	25	UJ	ug/kg	25	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	25	UJ	ug/kg	25	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X2	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: PC23(1)	pH:	Sample Date: 02/21/2018	Sample Time: 09:55:00
% Moisture:		% Solids: 88.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	37	U	ug/kg	37	U	1.0	YES	S3VEM
Aroclor-1221	Target	37	U	ug/kg	37	U	1.0	YES	S3VEM
Aroclor-1232	Target	37	U	ug/kg	37	U	1.0	YES	S3VEM
Aroclor-1242	Target	37	U	ug/kg	37	U	1.0	YES	S3VEM
Aroclor-1248	Target	37	U	ug/kg	37	U	1.0	YES	S3VEM
Aroclor-1254	Target	37	U	ug/kg	37	U	1.0	YES	S3VEM
Aroclor-1260	Target	37	U	ug/kg	37	U	1.0	YES	S3VEM
Aroclor-1262	Target	37	U	ug/kg	37	U	1.0	YES	S3VEM
Aroclor-1268	Target	37	U	ug/kg	37	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X2	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: PC23(1)	pH:	Sample Date: 02/21/2018	Sample Time: 09:55:00
% Moisture:		% Solids: 88.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	1.9	UJ	ug/kg	1.9	U	1.0	YES	S3VEM
beta-BHC	Target	1.9	UJ	ug/kg	1.9	U	1.0	YES	S3VEM
delta-BHC	Target	1.9	U	ug/kg	2.1	P	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	1.9	UJ	ug/kg	1.9	U	1.0	YES	S3VEM
Heptachlor	Target	1.9	U	ug/kg	1.9	U	1.0	YES	S3VEM
Aldrin	Target	1.9	U	ug/kg	1.1	JP	1.0	YES	S3VEM
Heptachlor epoxide	Target	1.9	U	ug/kg	0.56	JP	1.0	YES	S3VEM
Endosulfan I	Target	1.9	U	ug/kg	1.9	U	1.0	YES	S3VEM
Dieldrin	Target	51	NJ	ug/kg	51	P	1.0	YES	S3VEM
4,4-DDE	Target	40		ug/kg	40		1.0	YES	S3VEM
Endrin	Target	3.7	UJ	ug/kg	2.8	JP	1.0	YES	S3VEM
Endosulfan II	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S3VEM
4,4-DDD	Target	8.2	J	ug/kg	8.2	P	1.0	YES	S3VEM
Endosulfan Sulfate	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S3VEM
4,4-DDT	Target	58	J	ug/kg	58	P	1.0	YES	S3VEM
Methoxychlor	Target	19	UJ	ug/kg	19	U	1.0	YES	S3VEM
Endrin ketone	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S3VEM
cis-Chlordane	Target	5.1		ug/kg	5.1		1.0	YES	S3VEM
trans-Chlordane	Target	4.4		ug/kg	4.4		1.0	YES	S3VEM
Toxaphene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X2	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: PC23(1)	pH:	Sample Date: 02/21/2018	Sample Time: 09:55:00
% Moisture:		% Solids: 88.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	76	UJ	ug/kg	76	U	1.0	YES	S3VEM
Benzaldehyde	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Phenol	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
2-Chlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2-Methylphenol	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Acetophenone	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
4-Methylphenol	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Hexachloroethane	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Nitrobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Isophorone	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2-Nitrophenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Naphthalene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
4-Chloroaniline	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Hexachlororbutadiene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Caprolactam	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2-Nitroaniline	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Dimethylphthalate	Target	83	J	ug/kg	83	J	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Acenaphthylene	Target	100	J	ug/kg	100	J	1.0	YES	S3VEM
3-Nitroaniline	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Acenaphthene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
4-Nitrophenol	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Dibenzofuran	Target	190	UJ	ug/kg	190	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Diethylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Fluorene	Target	190	UJ	ug/kg	190	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	190	UJ	ug/kg	190	U	1.0	YES	S3VEM
4-Nitroaniline	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	370	UJ	ug/kg	370	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	190	UJ	ug/kg	190	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Atrazine	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Pentachlorophenol	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Phenanthrene	Target	730		ug/kg	730		1.0	YES	S3VEM
Anthracene	Target	190		ug/kg	190		1.0	YES	S3VEM
Carbazole	Target	370	UJ	ug/kg	370	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	1100		ug/kg	1100		1.0	YES	S3VEM
Pyrene	Target	1100		ug/kg	1100		1.0	YES	S3VEM
Butylbenzylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	570		ug/kg	570		1.0	YES	S3VEM
Chrysene	Target	500		ug/kg	500		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	150	J	ug/kg	150	J	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	510		ug/kg	510		1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	210		ug/kg	210		1.0	YES	S3VEM
Benzo(a)pyrene	Target	430		ug/kg	430		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	260		ug/kg	260		1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	92	J	ug/kg	92	J	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	230		ug/kg	230		1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
9,10-di(Chloromethyl)anthracene	TIC	87	J	ug/kg	87	J	1.0	YES	S3VEM
Phenanthrene, 2-methyl-	TIC	110	J	ug/kg	110	J	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM
Anthracene, 2-methyl-	TIC	180	J	ug/kg	180	J	1.0	YES	S3VEM
4H-Cyclopenta[def]phenanthrene	TIC	190	J	ug/kg	190	J	1.0	YES	S3VEM
11H-Benzo[b]fluorene	TIC	85	J	ug/kg	85	J	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X2	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: PC23(1)	pH:	Sample Date: 02/21/2018	Sample Time: 09:55:00
% Moisture:		% Solids: 88.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Chloromethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Vinyl chloride	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Bromomethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Chloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Acetone	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
Carbon disulfide	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Methyl Acetate	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Methylene chloride	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
2-Butanone	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
Bromochloromethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Chloroform	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Cyclohexane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Benzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Trichloroethene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Methylcyclohexane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Bromodichloromethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
Toluene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Tetrachloroethene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
2-Hexanone	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Chlorobenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Ethylbenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
o-xylene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
m,p-Xylene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Styrene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Bromoform	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Isopropylbenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X3	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: PC23(1)	pH:	Sample Date: 02/21/2018	Sample Time: 10:00:00
% Moisture:		% Solids: 91.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	36	U	ug/kg	36	U	1.0	YES	S3VEM
Aroclor-1221	Target	36	U	ug/kg	36	U	1.0	YES	S3VEM
Aroclor-1232	Target	36	U	ug/kg	36	U	1.0	YES	S3VEM
Aroclor-1242	Target	36	U	ug/kg	36	U	1.0	YES	S3VEM
Aroclor-1248	Target	36	U	ug/kg	36	U	1.0	YES	S3VEM
Aroclor-1254	Target	36	U	ug/kg	36	U	1.0	YES	S3VEM
Aroclor-1260	Target	36	U	ug/kg	36	U	1.0	YES	S3VEM
Aroclor-1262	Target	36	U	ug/kg	36	U	1.0	YES	S3VEM
Aroclor-1268	Target	36	U	ug/kg	36	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X3	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: PC23(1)	pH:	Sample Date: 02/21/2018	Sample Time: 10:00:00
% Moisture:		% Solids: 91.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	1.9	UJ	ug/kg	1.9	U	1.0	YES	S3VEM
beta-BHC	Target	1.9	R	ug/kg	1.9	U	1.0	YES	S3VEM
delta-BHC	Target	1.9	UJ	ug/kg	1.9	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	1.9	UJ	ug/kg	1.9	U	1.0	YES	S3VEM
Heptachlor	Target	1.9	UJ	ug/kg	1.9	U	1.0	YES	S3VEM
Aldrin	Target	1.9	UJ	ug/kg	1.9	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	1.9	UJ	ug/kg	1.9	U	1.0	YES	S3VEM
Endosulfan I	Target	1.9	UJ	ug/kg	1.9	U	1.0	YES	S3VEM
Dieldrin	Target	3.9	R	ug/kg	3.9	P	1.0	YES	S3VEM
4,4-DDE	Target	3.6	UJ	ug/kg	3.6	U	1.0	YES	S3VEM
Endrin	Target	1.6	J	ug/kg	1.6	JP	1.0	YES	S3VEM
Endosulfan II	Target	3.6	UJ	ug/kg	3.6	U	1.0	YES	S3VEM
4,4-DDD	Target	3.6	UJ	ug/kg	3.6	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	3.6	UJ	ug/kg	3.6	U	1.0	YES	S3VEM
4,4-DDT	Target	3.6	UJ	ug/kg	3.6	U	1.0	YES	S3VEM
Methoxychlor	Target	19	UJ	ug/kg	19	U	1.0	YES	S3VEM
Endrin ketone	Target	3.6	UJ	ug/kg	3.6	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	3.6	UJ	ug/kg	3.6	U	1.0	YES	S3VEM
cis-Chlordane	Target	1.9	UJ	ug/kg	1.9	U	1.0	YES	S3VEM
trans-Chlordane	Target	1.9	UJ	ug/kg	1.9	U	1.0	YES	S3VEM
Toxaphene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X3	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: PC23(1)	pH:	Sample Date: 02/21/2018	Sample Time: 10:00:00
% Moisture:		% Solids: 91.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	73	U	ug/kg	73	U	1.0	YES	S3VEM
Benzaldehyde	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
Phenol	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
2-Chlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2-Methylphenol	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
Acetophenone	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
4-Methylphenol	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Hexachloroethane	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Nitrobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Isophorone	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2-Nitrophenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Naphthalene	Target	130	J	ug/kg	130	J	1.0	YES	S3VEM
4-Chloroaniline	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Caprolactam	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	65	J	ug/kg	65	J	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	360	UJ	ug/kg	360	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2-Nitroaniline	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Dimethylphthalate	Target	300		ug/kg	300		1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Acenaphthylene	Target	200		ug/kg	200		1.0	YES	S3VEM
3-Nitroaniline	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
Acenaphthene	Target	270		ug/kg	270		1.0	YES	S3VEM
2,4-Dinitrophenol	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
4-Nitrophenol	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
Dibenzofuran	Target	180	J	ug/kg	180	J	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Diethylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Fluorene	Target	230		ug/kg	230		1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
4-Nitroaniline	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Atrazine	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
Pentachlorophenol	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
Phenanthrene	Target	3300		ug/kg	3300	D	5.0	YES	S3VEM
Anthracene	Target	540		ug/kg	540		1.0	YES	S3VEM
Carbazole	Target	260	J	ug/kg	260	J	1.0	YES	S3VEM
Di-n-butylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	4300		ug/kg	4300		1.0	YES	S3VEM
Pyrene	Target	3400		ug/kg	3400	D	5.0	YES	S3VEM
Butylbenzylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	1700		ug/kg	1700		1.0	YES	S3VEM
Chrysene	Target	1700		ug/kg	1700		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	42	J	ug/kg	42	J	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	1700		ug/kg	1700		1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	610		ug/kg	610		1.0	YES	S3VEM
Benzo(a)pyrene	Target	1400		ug/kg	1400		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	710		ug/kg	710		1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	250		ug/kg	250		1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	660		ug/kg	660		1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
unknown-03	TIC	290	J	ug/kg	290	J	1.0	YES	S3VEM
5,16[1,2]:8,13[1,2]-Dibenzene	TIC	350	J	ug/kg	350	J	1.0	YES	S3VEM
Cyclopenta(def)phenanthrenone	TIC	370	J	ug/kg	370	J	1.0	YES	S3VEM
11H-Benzo[a]fluoren-11-one	TIC	88	J	ug/kg	88	J	1.0	YES	S3VEM
Benz[a]anthracene, 7-methyl-	TIC	90	J	ug/kg	90	J	1.0	YES	S3VEM
Benzo[b]naphtho[2,1-d]thiophene	TIC	90	J	ug/kg	90	J	1.0	YES	S3VEM
9,10-Anthracenedione	TIC	480	J	ug/kg	480	J	1.0	YES	S3VEM
11H-Benzo[b]fluorene	TIC	95	J	ug/kg	95	J	1.0	YES	S3VEM
Phenanthrene, 1-methyl-	TIC	510	J	ug/kg	510	J	1.0	YES	S3VEM
Pyrene, 1-methyl-	TIC	100	J	ug/kg	100	J	1.0	YES	S3VEM
Benzaldehyde, 3,5-dichloro-2-hydro	TIC	750	J	ug/kg	750	J	1.0	YES	S3VEM
unknown-04	TIC	150	J	ug/kg	150	J	1.0	YES	S3VEM
Total Alkanes	TIC	110		ug/kg	110		1.0	YES	S3VEM
Naphtho[2,1-b]thiophene	TIC	230	J	ug/kg	230	J	1.0	YES	S3VEM
9H-Fluoren-9-one	TIC	220	J	ug/kg	220	J	1.0	YES	S3VEM
Anthracene, 1,2,3,4-tetrahydro-	TIC	210	J	ug/kg	210	J	1.0	YES	S3VEM
Anthracene, 1-methyl-	TIC	210	J	ug/kg	210	J	1.0	YES	S3VEM
Anthracene, 2-ethyl-	TIC	180	J	ug/kg	180	J	1.0	YES	S3VEM
9H-Fluorene, 2-methyl-	TIC	170	J	ug/kg	170	J	1.0	YES	S3VEM
Anthracene, 9-ethenyl-	TIC	150	J	ug/kg	150	J	1.0	YES	S3VEM
unknown-01	TIC	120	J	ug/kg	120	J	1.0	YES	S3VEM
Dibenzofuran, 4-methyl-	TIC	140	J	ug/kg	140	J	1.0	YES	S3VEM
Phenanthrene, 1,7-dimethyl-	TIC	100	J	ug/kg	100	J	1.0	YES	S3VEM
di-p-Tolylacetylene	TIC	99	J	ug/kg	99	J	1.0	YES	S3VEM
9,10-Dimethylanthracene	TIC	90	J	ug/kg	90	J	1.0	YES	S3VEM
Naphthalene, 1,3-dimethyl-	TIC	89	J	ug/kg	89	J	1.0	YES	S3VEM
unknown-02	TIC	88	J	ug/kg	88	J	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X3	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: PC23(1)	pH:	Sample Date: 02/21/2018	Sample Time: 10:00:00
% Moisture:		% Solids: 91.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Chloromethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Bromomethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Chloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Acetone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Methylene chloride	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
2-Butanone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Chloroform	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Cyclohexane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Benzene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Trichloroethene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Toluene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
2-Hexanone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
o-xylene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Styrene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Bromoform	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X4	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: PC23(1)	pH:	Sample Date: 02/21/2018	Sample Time: 10:05:00
% Moisture:		% Solids: 87.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	38	U	ug/kg	38	U	1.0	YES	S3VEM
Aroclor-1221	Target	38	U	ug/kg	38	U	1.0	YES	S3VEM
Aroclor-1232	Target	38	U	ug/kg	38	U	1.0	YES	S3VEM
Aroclor-1242	Target	38	U	ug/kg	38	U	1.0	YES	S3VEM
Aroclor-1248	Target	38	U	ug/kg	38	U	1.0	YES	S3VEM
Aroclor-1254	Target	38	U	ug/kg	38	U	1.0	YES	S3VEM
Aroclor-1260	Target	38	U	ug/kg	38	U	1.0	YES	S3VEM
Aroclor-1262	Target	38	U	ug/kg	38	U	1.0	YES	S3VEM
Aroclor-1268	Target	38	U	ug/kg	38	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X4	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: PC23(1)	pH:	Sample Date: 02/21/2018	Sample Time: 10:05:00
% Moisture:		% Solids: 87.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	1.9	UJ	ug/kg	1.9	U	1.0	YES	S3VEM
beta-BHC	Target	1.9	UJ	ug/kg	1.9	U	1.0	YES	S3VEM
delta-BHC	Target	1.9	UJ	ug/kg	1.9	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	1.9	UJ	ug/kg	1.9	U	1.0	YES	S3VEM
Heptachlor	Target	1.9	UJ	ug/kg	1.9	U	1.0	YES	S3VEM
Aldrin	Target	1.9	UJ	ug/kg	1.9	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	1.9	UJ	ug/kg	1.9	U	1.0	YES	S3VEM
Endosulfan I	Target	1.9	UJ	ug/kg	1.9	U	1.0	YES	S3VEM
Dieldrin	Target	3.8	UJ	ug/kg	2.6	JP	1.0	YES	S3VEM
4,4-DDE	Target	2.0	J-	ug/kg	2.8	J	1.0	YES	S3VEM
Endrin	Target	3.8	UJ	ug/kg	3.8	U	1.0	YES	S3VEM
Endosulfan II	Target	3.8	UJ	ug/kg	3.8	U	1.0	YES	S3VEM
4,4-DDD	Target	3.8	UJ	ug/kg	3.8	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	3.8	UJ	ug/kg	3.8	U	1.0	YES	S3VEM
4,4-DDT	Target	3.8	UJ	ug/kg	2.5	JP	1.0	YES	S3VEM
Methoxychlor	Target	19	UJ	ug/kg	19	U	1.0	YES	S3VEM
Endrin ketone	Target	3.8	UJ	ug/kg	3.8	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	3.8	UJ	ug/kg	3.8	U	1.0	YES	S3VEM
cis-Chlordane	Target	1.9	UJ	ug/kg	1.9	U	1.0	YES	S3VEM
trans-Chlordane	Target	1.9	UJ	ug/kg	1.9	U	1.0	YES	S3VEM
Toxaphene	Target	190	UJ	ug/kg	190	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X4	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: PC23(1)	pH:	Sample Date: 02/21/2018	Sample Time: 10:05:00
% Moisture:		% Solids: 87.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	76	U	ug/kg	76	U	1.0	YES	S3VEM
Benzaldehyde	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Phenol	Target	130	J	ug/kg	130	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
2-Chlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2-Methylphenol	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Acetophenone	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
4-Methylphenol	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Hexachloroethane	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Nitrobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Isophorone	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2-Nitrophenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Naphthalene	Target	94	J	ug/kg	94	J	1.0	YES	S3VEM
4-Chloroaniline	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Caprolactam	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	67	J	ug/kg	67	J	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2-Nitroaniline	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Dimethylphthalate	Target	330		ug/kg	330		1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Acenaphthylene	Target	190		ug/kg	190		1.0	YES	S3VEM
3-Nitroaniline	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Acenaphthene	Target	200		ug/kg	200		1.0	YES	S3VEM
2,4-Dinitrophenol	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
4-Nitrophenol	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Dibenzofuran	Target	240		ug/kg	240		1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Diethylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Fluorene	Target	240		ug/kg	240		1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
4-Nitroaniline	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Atrazine	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Pentachlorophenol	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Phenanthrene	Target	3000		ug/kg	3000	D	2.0	YES	S3VEM
Anthracene	Target	500		ug/kg	500		1.0	YES	S3VEM
Carbazole	Target	170	J	ug/kg	170	J	1.0	YES	S3VEM
Di-n-butylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	2900		ug/kg	2900		1.0	YES	S3VEM
Pyrene	Target	2400		ug/kg	2400	D	2.0	YES	S3VEM
Butylbenzylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	1100		ug/kg	1100		1.0	YES	S3VEM
Chrysene	Target	1000		ug/kg	1000		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	120	J	ug/kg	120	J	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	1100		ug/kg	1100		1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	380		ug/kg	380		1.0	YES	S3VEM
Benzo(a)pyrene	Target	890		ug/kg	890		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	530		ug/kg	530		1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	170	J	ug/kg	170	J	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	450		ug/kg	450		1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Phenanthrene, 4-methyl-	TIC	200	J	ug/kg	200	J	1.0	YES	S3VEM
11H-Benzo[a]fluoren-11-one	TIC	81	J	ug/kg	81	J	1.0	YES	S3VEM
Naphtho[1,2-b]thiophene	TIC	220	J	ug/kg	220	J	1.0	YES	S3VEM
Cyclopenta(def)phenanthrenone	TIC	230	J	ug/kg	230	J	1.0	YES	S3VEM
9,10-Anthracenedione	TIC	230	J	ug/kg	230	J	1.0	YES	S3VEM
Cyclopenta[cd]pyrene	TIC	98	J	ug/kg	98	J	1.0	YES	S3VEM
Naphthalene, 2-phenyl-	TIC	250	J	ug/kg	250	J	1.0	YES	S3VEM
Pyrene, 2-methyl-	TIC	110	J	ug/kg	110	J	1.0	YES	S3VEM
Fluoranthene, 2-methyl-	TIC	110	J	ug/kg	110	J	1.0	YES	S3VEM
Phenanthrene, 1-methyl-	TIC	360	J	ug/kg	360	J	1.0	YES	S3VEM
11H-Benzo[b]fluorene	TIC	170	J	ug/kg	170	J	1.0	YES	S3VEM
4H-Cyclopenta[def]phenanthrene	TIC	510	J	ug/kg	510	J	1.0	YES	S3VEM
Anthracene, 9-methyl-	TIC	560	J	ug/kg	560	J	1.0	YES	S3VEM
Total Alkanes	TIC	90		ug/kg	90		1.0	YES	S3VEM
6H-Dibenzo[b,d]-pyran	TIC	200	J	ug/kg	200	J	1.0	YES	S3VEM
9H-Fluoren-9-one	TIC	180	J	ug/kg	180	J	1.0	YES	S3VEM
Dibenzofuran, 4-methyl-	TIC	200	J	ug/kg	200	J	1.0	YES	S3VEM
Phenanthrene, 2,3-dimethyl-	TIC	160	J	ug/kg	160	J	1.0	YES	S3VEM
unknown-01	TIC	140	J	ug/kg	140	J	1.0	YES	S3VEM
9H-Fluorene, 1-methyl-	TIC	130	J	ug/kg	130	J	1.0	YES	S3VEM
Anthracene, 9-ethenyl-	TIC	100	J	ug/kg	100	J	1.0	YES	S3VEM
Naphthalene, 2,7-dimethyl-	TIC	110	J	ug/kg	110	J	1.0	YES	S3VEM
3-Phenyl-benzofuran	TIC	92	J	ug/kg	92	J	1.0	YES	S3VEM
Phenol, 3-(2-phenylethenyl)-, (E)-	TIC	84	J	ug/kg	84	J	1.0	YES	S3VEM
Benzo[b]benzofuran-2-carboxaldehyde	TIC	77	J	ug/kg	77	J	1.0	YES	S3VEM
1H-Indene, 1-ethylidene-	TIC	110	J	ug/kg	110	J	1.0	YES	S3VEM
Acetic acid, 3-[1,3]dioxolan-2-ylp	TIC	140	J	ug/kg	140	J	1.0	YES	S3VEM
1-Iodo-2-methylundecane	TIC	79	J	ug/kg	79	J	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X4	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: PC23(1)	pH:	Sample Date: 02/21/2018	Sample Time: 10:05:00
% Moisture:		% Solids: 87.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Chloromethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Bromomethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Chloroethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Acetone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Methylene chloride	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
2-Butanone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Chloroform	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Cyclohexane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Benzene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Trichloroethene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Toluene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
2-Hexanone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
o-xylene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Styrene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Bromoform	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X5	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: PC23(2)	pH:	Sample Date: 02/21/2018	Sample Time: 10:35:00
% Moisture:		% Solids: 38.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	86	U	ug/kg	86	U	1.0	YES	S3VEM
Aroclor-1221	Target	86	U	ug/kg	86	U	1.0	YES	S3VEM
Aroclor-1232	Target	86	U	ug/kg	86	U	1.0	YES	S3VEM
Aroclor-1242	Target	86	U	ug/kg	86	U	1.0	YES	S3VEM
Aroclor-1248	Target	86	U	ug/kg	86	U	1.0	YES	S3VEM
Aroclor-1254	Target	86	U	ug/kg	86	U	1.0	YES	S3VEM
Aroclor-1260	Target	86	U	ug/kg	86	U	1.0	YES	S3VEM
Aroclor-1262	Target	86	U	ug/kg	86	U	1.0	YES	S3VEM
Aroclor-1268	Target	86	U	ug/kg	86	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X5	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: PC23(2)	pH:	Sample Date: 02/21/2018	Sample Time: 10:35:00
% Moisture:		% Solids: 38.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	4.4	UJ	ug/kg	4.4	U	1.0	YES	S3VEM
beta-BHC	Target	4.4	R	ug/kg	4.4	U	1.0	YES	S3VEM
delta-BHC	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	4.4	UJ	ug/kg	4.4	U	1.0	YES	S3VEM
Heptachlor	Target	4.4	UJ	ug/kg	4.4	U	1.0	YES	S3VEM
Aldrin	Target	4.7	J	ug/kg	4.7	P	1.0	YES	S3VEM
Heptachlor epoxide	Target	4.4	UJ	ug/kg	4.4	U	1.0	YES	S3VEM
Endosulfan I	Target	4.4	UJ	ug/kg	4.4	U	1.0	YES	S3VEM
Dieldrin	Target	290	J-	ug/kg	290	DP	5.0	YES	S3VEM
4,4-DDE	Target	92	J	ug/kg	92	P	1.0	YES	S3VEM
Endrin	Target	8.6	UJ	ug/kg	8.6	U	1.0	YES	S3VEM
Endosulfan II	Target	8.6	UJ	ug/kg	8.6	U	1.0	YES	S3VEM
4,4-DDD	Target	21	J	ug/kg	21		1.0	YES	S3VEM
Endosulfan Sulfate	Target	8.6	UJ	ug/kg	8.6	U	1.0	YES	S3VEM
4,4-DDT	Target	220	J-	ug/kg	220	D	5.0	YES	S3VEM
Methoxychlor	Target	44	UJ	ug/kg	44	U	1.0	YES	S3VEM
Endrin ketone	Target	8.6	UJ	ug/kg	8.6	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	8.6	UJ	ug/kg	8.6	U	1.0	YES	S3VEM
cis-Chlordane	Target	4.6	J	ug/kg	4.6	P	1.0	YES	S3VEM
trans-Chlordane	Target	4.4	UJ	ug/kg	4.4	U	1.0	YES	S3VEM
Toxaphene	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X5	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: PC23(2)	pH:	Sample Date: 02/21/2018	Sample Time: 10:35:00
% Moisture:		% Solids: 38.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Benzaldehyde	Target	860	U	ug/kg	860	U	1.0	YES	S3VEM
Phenol	Target	250	J	ug/kg	250	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	860	U	ug/kg	860	U	1.0	YES	S3VEM
2-Chlorophenol	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
2-Methylphenol	Target	860	U	ug/kg	860	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	860	U	ug/kg	860	U	1.0	YES	S3VEM
Acetophenone	Target	860	U	ug/kg	860	U	1.0	YES	S3VEM
4-Methylphenol	Target	860	U	ug/kg	860	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Hexachloroethane	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Nitrobenzene	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Isophorone	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
2-Nitrophenol	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Naphthalene	Target	120	J	ug/kg	120	J	1.0	YES	S3VEM
4-Chloroaniline	Target	860	U	ug/kg	860	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Caprolactam	Target	860	U	ug/kg	860	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	860	U	ug/kg	860	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
2-Nitroaniline	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Dimethylphthalate	Target	640		ug/kg	640		1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Acenaphthylene	Target	150	J	ug/kg	150	J	1.0	YES	S3VEM
3-Nitroaniline	Target	860	U	ug/kg	860	U	1.0	YES	S3VEM
Acenaphthene	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	860	U	ug/kg	860	U	1.0	YES	S3VEM
4-Nitrophenol	Target	860	U	ug/kg	860	U	1.0	YES	S3VEM
Dibenzofuran	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Diethylphthalate	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Fluorene	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
4-Nitroaniline	Target	860	U	ug/kg	860	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	860	U	ug/kg	860	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Atrazine	Target	860	U	ug/kg	860	U	1.0	YES	S3VEM
Pentachlorophenol	Target	860	U	ug/kg	860	U	1.0	YES	S3VEM
Phenanthrene	Target	1700		ug/kg	1700		1.0	YES	S3VEM
Anthracene	Target	370	J	ug/kg	370	J	1.0	YES	S3VEM
Carbazole	Target	200	J	ug/kg	200	J	1.0	YES	S3VEM
Di-n-butylphthalate	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	2800		ug/kg	2800		1.0	YES	S3VEM
Pyrene	Target	2800		ug/kg	2800		1.0	YES	S3VEM
Butylbenzylphthalate	Target	260	J	ug/kg	260	J	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	860	U	ug/kg	860	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	1500		ug/kg	1500		1.0	YES	S3VEM
Chrysene	Target	1600		ug/kg	1600		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	460		ug/kg	460		1.0	YES	S3VEM
Di-n-octyl phthalate	Target	860	U	ug/kg	860	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	1900		ug/kg	1900		1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	550		ug/kg	550		1.0	YES	S3VEM
Benzo(a)pyrene	Target	1400		ug/kg	1400		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	970		ug/kg	970		1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	330	J	ug/kg	330	J	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	1100		ug/kg	1100		1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Phenanthere, 2,5-dimethyl-	TIC	180	J	ug/kg	180	J	1.0	YES	S3VEM
Total Alkanes	TIC	1700		ug/kg	1700		1.0	YES	S3VEM
2-Bromo dodecane	TIC	180	J	ug/kg	180	J	1.0	YES	S3VEM
unknown-02	TIC	180	J	ug/kg	180	J	1.0	YES	S3VEM
Phenol, 3,4-dimethoxy-	TIC	230	J	ug/kg	230	J	1.0	YES	S3VEM
5H-Dibenzo[a,d]cycloheptene	TIC	200	J	ug/kg	200	J	1.0	YES	S3VEM
5,16[1,2]:8,13[1,2]-Dibenzen	TIC	200	J	ug/kg	200	J	1.0	YES	S3VEM
Cyclopenta(def)phenanthrenone	TIC	280	J	ug/kg	280	J	1.0	YES	S3VEM
1,4-Benzenediol, 2-methyl-	TIC	350	J	ug/kg	350	J	1.0	YES	S3VEM
Benzophenone	TIC	360	J	ug/kg	360	J	1.0	YES	S3VEM
Phenanthrene, 1-methyl-	TIC	320	J	ug/kg	320	J	1.0	YES	S3VEM
11H-Benzo[a]fluoren-11-one	TIC	200	J	ug/kg	200	J	1.0	YES	S3VEM
Benzo[e]pyrene	TIC	670	J	ug/kg	670	J	1.0	YES	S3VEM
4H-Cyclopenta[def]phenanthrene	TIC	510	J	ug/kg	510	J	1.0	YES	S3VEM
5H-Benzocyclohepten-5-one, 2,3,4,6	TIC	260	J	ug/kg	260	J	1.0	YES	S3VEM
Supraene	TIC	730	J	ug/kg	730	J	1.0	YES	S3VEM
unknown-01	TIC	870	J	ug/kg	870	J	1.0	YES	S3VEM
5-Eicosene, (E)-	TIC	490	J	ug/kg	490	J	1.0	YES	S3VEM
n-Hexadecanoic acid	TIC	1000	J	ug/kg	1000	J	1.0	YES	S3VEM
9,10-Anthracenenedione	TIC	180	J	ug/kg	180	J	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X5	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: PC23(2)	pH:	Sample Date: 02/21/2018	Sample Time: 10:35:00
% Moisture:		% Solids: 38.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
Chloromethane	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
Vinyl chloride	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
Bromomethane	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
Chloroethane	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
Acetone	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Carbon disulfide	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
Methyl Acetate	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
Methylene chloride	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
2-Butanone	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Bromochloromethane	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
Chloroform	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
Cyclohexane	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
Benzene	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
Trichloroethene	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
Methylcyclohexane	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
Bromodichloromethane	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Toluene	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
Tetrachloroethene	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
2-Hexanone	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
Chlorobenzene	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
Ethylbenzene	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
o-xylene	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
m,p-Xylene	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
Styrene	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
Bromoform	Target	110	UJ	ug/kg	110	U	1.0	YES	S3VEM
Isopropylbenzene	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	110	UJ	ug/kg	110	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	110	UJ	ug/kg	110	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	110	UJ	ug/kg	110	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	110	UJ	ug/kg	110	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	110	UJ	ug/kg	110	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	110	UJ	ug/kg	110	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X6	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: PC23(2)	pH:	Sample Date: 02/21/2018	Sample Time: 10:40:00
% Moisture:		% Solids: 70.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	47	U	ug/kg	47	U	1.0	YES	S3VEM
Aroclor-1221	Target	47	U	ug/kg	47	U	1.0	YES	S3VEM
Aroclor-1232	Target	47	U	ug/kg	47	U	1.0	YES	S3VEM
Aroclor-1242	Target	47	U	ug/kg	47	U	1.0	YES	S3VEM
Aroclor-1248	Target	47	U	ug/kg	47	U	1.0	YES	S3VEM
Aroclor-1254	Target	47	U	ug/kg	47	U	1.0	YES	S3VEM
Aroclor-1260	Target	47	U	ug/kg	47	U	1.0	YES	S3VEM
Aroclor-1262	Target	47	U	ug/kg	47	U	1.0	YES	S3VEM
Aroclor-1268	Target	47	U	ug/kg	47	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X6	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: PC23(2)	pH:	Sample Date: 02/21/2018	Sample Time: 10:40:00
% Moisture:		% Solids: 70.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.4	UJ	ug/kg	2.4	U	1.0	YES	S3VEM
beta-BHC	Target	2.4	UJ	ug/kg	2.4	U	1.0	YES	S3VEM
delta-BHC	Target	2.4	UJ	ug/kg	2.4	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.4	UJ	ug/kg	2.4	U	1.0	YES	S3VEM
Heptachlor	Target	2.4	UJ	ug/kg	2.4	U	1.0	YES	S3VEM
Aldrin	Target	2.4	UJ	ug/kg	2.4	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.4	UJ	ug/kg	2.4	U	1.0	YES	S3VEM
Endosulfan I	Target	2.4	UJ	ug/kg	2.4	U	1.0	YES	S3VEM
Dieldrin	Target	48	NJ	ug/kg	48	P	1.0	YES	S3VEM
4,4-DDE	Target	42	J+	ug/kg	42	P	1.0	YES	S3VEM
Endrin	Target	4.7	UJ	ug/kg	3.1	JP	1.0	YES	S3VEM
Endosulfan II	Target	4.7	UJ	ug/kg	4.7	U	1.0	YES	S3VEM
4,4-DDD	Target	8.9	J+	ug/kg	8.9	P	1.0	YES	S3VEM
Endosulfan Sulfate	Target	4.7	UJ	ug/kg	4.7	U	1.0	YES	S3VEM
4,4-DDT	Target	74	J-	ug/kg	74	P	1.0	YES	S3VEM
Methoxychlor	Target	24	UJ	ug/kg	24	U	1.0	YES	S3VEM
Endrin ketone	Target	4.7	UJ	ug/kg	4.7	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	4.7	UJ	ug/kg	4.7	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.4	UJ	ug/kg	2.4	U	1.0	YES	S3VEM
trans-Chlordane	Target	2.4	UJ	ug/kg	2.4	U	1.0	YES	S3VEM
Toxaphene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X6	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: PC23(2)	pH:	Sample Date: 02/21/2018	Sample Time: 10:40:00
% Moisture:		% Solids: 70.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	95	U	ug/kg	95	U	1.0	YES	S3VEM
Benzaldehyde	Target	470	U	ug/kg	470	U	1.0	YES	S3VEM
Phenol	Target	130	J	ug/kg	130	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	470	U	ug/kg	470	U	1.0	YES	S3VEM
2-Chlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2-Methylphenol	Target	470	U	ug/kg	470	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	470	U	ug/kg	470	U	1.0	YES	S3VEM
Acetophenone	Target	470	U	ug/kg	470	U	1.0	YES	S3VEM
4-Methylphenol	Target	470	U	ug/kg	470	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Hexachloroethane	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Nitrobenzene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Isophorone	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2-Nitrophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Naphthalene	Target	110	J	ug/kg	110	J	1.0	YES	S3VEM
4-Chloroaniline	Target	470	U	ug/kg	470	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Caprolactam	Target	470	U	ug/kg	470	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	470	UJ	ug/kg	470	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2-Nitroaniline	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Dimethylphthalate	Target	310		ug/kg	310		1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Acenaphthylene	Target	370		ug/kg	370		1.0	YES	S3VEM
3-Nitroaniline	Target	470	U	ug/kg	470	U	1.0	YES	S3VEM
Acenaphthene	Target	370		ug/kg	370		1.0	YES	S3VEM
2,4-Dinitrophenol	Target	470	UJ	ug/kg	470	U	1.0	YES	S3VEM
4-Nitrophenol	Target	470	U	ug/kg	470	U	1.0	YES	S3VEM
Dibenzofuran	Target	280		ug/kg	280		1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Diethylphthalate	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Fluorene	Target	520		ug/kg	520		1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
4-Nitroaniline	Target	470	U	ug/kg	470	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	470	UJ	ug/kg	470	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Atrazine	Target	470	U	ug/kg	470	U	1.0	YES	S3VEM
Pentachlorophenol	Target	470	U	ug/kg	470	U	1.0	YES	S3VEM
Phenanthrene	Target	6400		ug/kg	6400	D	5.0	YES	S3VEM
Anthracene	Target	1500		ug/kg	1500		1.0	YES	S3VEM
Carbazole	Target	250	J	ug/kg	250	J	1.0	YES	S3VEM
Di-n-butylphthalate	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	9500		ug/kg	9500	D	5.0	YES	S3VEM
Pyrene	Target	8800		ug/kg	8800	D	5.0	YES	S3VEM
Butylbenzylphthalate	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	470	U	ug/kg	470	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	4600		ug/kg	4600	D	5.0	YES	S3VEM
Chrysene	Target	4000		ug/kg	4000	D	5.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	6000		ug/kg	6000	D	5.0	YES	S3VEM
Di-n-octyl phthalate	Target	470	U	ug/kg	470	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	4400		ug/kg	4400	D	5.0	YES	S3VEM
Benzo(k)fluoranthene	Target	1700		ug/kg	1700		1.0	YES	S3VEM
Benzo(a)pyrene	Target	3600		ug/kg	3600		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	1900		ug/kg	1900		1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	720		ug/kg	720		1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	1700		ug/kg	1700		1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
9H-Fluoren-9-one	TIC	250	J	ug/kg	250	J	1.0	YES	S3VEM
9H-Fluoren-9-ol	TIC	390	J	ug/kg	390	J	1.0	YES	S3VEM
Dibenzothiophene	TIC	400	J	ug/kg	400	J	1.0	YES	S3VEM
5H-Dibenzo[a,d]cycloheptene, 5-met	TIC	400	J	ug/kg	400	J	1.0	YES	S3VEM
9,10-Anthracenedione	TIC	480	J	ug/kg	480	J	1.0	YES	S3VEM
Phenanthren, 1,7-dimethyl-	TIC	620	J	ug/kg	620	J	1.0	YES	S3VEM
Cyclopenta(def)phenanthrenone	TIC	710	J	ug/kg	710	J	1.0	YES	S3VEM
Naphthalene, 2-phenyl-	TIC	710	J	ug/kg	710	J	1.0	YES	S3VEM
Antra(1,2-b)thiophene	TIC	100	J	ug/kg	100	J	1.0	YES	S3VEM
2-Methylchrysene	TIC	120	J	ug/kg	120	J	1.0	YES	S3VEM
Cyclopenta(cd)pyrene	TIC	130	J	ug/kg	130	J	1.0	YES	S3VEM
Pyrene, 2-methyl-	TIC	150	J	ug/kg	150	J	1.0	YES	S3VEM
11H-Benzo[b]fluorene	TIC	160	J	ug/kg	160	J	1.0	YES	S3VEM
Phenanthren, 2-methyl-	TIC	1600	J	ug/kg	1600	J	1.0	YES	S3VEM
4H-Cyclopenta[def]phenanthrene	TIC	1700	J	ug/kg	1700	J	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM
4-Methylnaphtho[1,2-b]thiophene	TIC	220	J	ug/kg	220	J	1.0	YES	S3VEM
Benzenamine, 4-[(E)-2-(4-pyridinyl	TIC	210	J	ug/kg	210	J	1.0	YES	S3VEM
di-p-Tolylacetylene	TIC	190	J	ug/kg	190	J	1.0	YES	S3VEM
9H-Carbazole, 2-methyl-	TIC	190	J	ug/kg	190	J	1.0	YES	S3VEM
Phenanthren, 4,5-dimethyl-	TIC	190	J	ug/kg	190	J	1.0	YES	S3VEM
Cyclobuta[1,2:3,4:3,4	TIC	180	J	ug/kg	180	J	1.0	YES	S3VEM
Naphthalene, 1,3-dimethyl-	TIC	190	J	ug/kg	190	J	1.0	YES	S3VEM
unknown-01	TIC	160	J	ug/kg	160	J	1.0	YES	S3VEM
Phenanthren, 3,6-dimethyl-	TIC	150	J	ug/kg	150	J	1.0	YES	S3VEM
Acridine	TIC	150	J	ug/kg	150	J	1.0	YES	S3VEM
[1,1-Biphenyl]-4-carboxaldehyde	TIC	320	J	ug/kg	320	J	1.0	YES	S3VEM
9H-Fluorene, 2-methyl-	TIC	360	J	ug/kg	360	J	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X6	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: PC23(2)	pH:	Sample Date: 02/21/2018	Sample Time: 10:40:00
% Moisture:		% Solids: 70.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
Chloromethane	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
Vinyl chloride	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
Bromomethane	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
Chloroethane	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
Acetone	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Carbon disulfide	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
Methyl Acetate	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
Methylene chloride	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
2-Butanone	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Bromochloromethane	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
Chloroform	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
Cyclohexane	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
Benzene	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
Trichloroethene	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
Methylcyclohexane	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
Bromodichloromethane	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Toluene	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
Tetrachloroethene	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
2-Hexanone	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
Chlorobenzene	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
Ethylbenzene	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
o-xylene	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
m,p-Xylene	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
Styrene	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
Bromoform	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
Isopropylbenzene	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X7	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: PC5W	pH:	Sample Date: 02/21/2018	Sample Time: 09:05:00
% Moisture:		% Solids: 85.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	38	U	ug/kg	38	U	1.0	YES	S3VEM
Aroclor-1221	Target	38	U	ug/kg	38	U	1.0	YES	S3VEM
Aroclor-1232	Target	38	U	ug/kg	38	U	1.0	YES	S3VEM
Aroclor-1242	Target	38	U	ug/kg	38	U	1.0	YES	S3VEM
Aroclor-1248	Target	38	U	ug/kg	38	U	1.0	YES	S3VEM
Aroclor-1254	Target	38	U	ug/kg	38	U	1.0	YES	S3VEM
Aroclor-1260	Target	38	U	ug/kg	38	U	1.0	YES	S3VEM
Aroclor-1262	Target	38	U	ug/kg	38	U	1.0	YES	S3VEM
Aroclor-1268	Target	38	U	ug/kg	38	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X7	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: PC5W	pH:	Sample Date: 02/21/2018	Sample Time: 09:05:00
% Moisture:		% Solids: 85.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
beta-BHC	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
delta-BHC	Target	2.0	U	ug/kg	2.0	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
Heptachlor	Target	2.0	U	ug/kg	2.0	U	1.0	YES	S3VEM
Aldrin	Target	2.0	U	ug/kg	2.0	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.0	U	ug/kg	2.0	U	1.0	YES	S3VEM
Endosulfan I	Target	2.0	U	ug/kg	2.0	U	1.0	YES	S3VEM
Dieldrin	Target	4.9	R	ug/kg	4.9	P	1.0	YES	S3VEM
4,4-DDE	Target	14	J	ug/kg	14	P	1.0	YES	S3VEM
Endrin	Target	3.8	UJ	ug/kg	3.8	U	1.0	YES	S3VEM
Endosulfan II	Target	3.8	U	ug/kg	3.8	U	1.0	YES	S3VEM
4,4-DDD	Target	3.8	U	ug/kg	2.1	JP	1.0	YES	S3VEM
Endosulfan Sulfate	Target	3.8	U	ug/kg	3.8	U	1.0	YES	S3VEM
4,4-DDT	Target	11	J	ug/kg	11	P	1.0	YES	S3VEM
Methoxychlor	Target	20	UJ	ug/kg	20	U	1.0	YES	S3VEM
Endrin ketone	Target	3.8	U	ug/kg	3.8	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	3.8	U	ug/kg	3.8	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.0	U	ug/kg	2.0	U	1.0	YES	S3VEM
trans-Chlordane	Target	2.0	U	ug/kg	2.0	U	1.0	YES	S3VEM
Toxaphene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X7	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: PC5W	pH:	Sample Date: 02/21/2018	Sample Time: 09:05:00
% Moisture:		% Solids: 85.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	78	U	ug/kg	78	U	1.0	YES	S3VEM
Benzaldehyde	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Phenol	Target	110	J	ug/kg	110	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
2-Chlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2-Methylphenol	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Acetophenone	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
4-Methylphenol	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Hexachloroethane	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Nitrobenzene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Isophorone	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2-Nitrophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Naphthalene	Target	120	J	ug/kg	120	J	1.0	YES	S3VEM
4-Chloroaniline	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Caprolactam	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2-Nitroaniline	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Dimethylphthalate	Target	300		ug/kg	300		1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Acenaphthylene	Target	130	J	ug/kg	130	J	1.0	YES	S3VEM
3-Nitroaniline	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Acenaphthene	Target	98	J	ug/kg	98	J	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
4-Nitrophenol	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Dibenzofuran	Target	53	J	ug/kg	53	J	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Diethylphthalate	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Fluorene	Target	82	J	ug/kg	82	J	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
4-Nitroaniline	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Atrazine	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Pentachlorophenol	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Phenanthrene	Target	1400		ug/kg	1400		1.0	YES	S3VEM
Anthracene	Target	310		ug/kg	310		1.0	YES	S3VEM
Carbazole	Target	130	J	ug/kg	130	J	1.0	YES	S3VEM
Di-n-butylphthalate	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	2100		ug/kg	2100		1.0	YES	S3VEM
Pyrene	Target	1900		ug/kg	1900		1.0	YES	S3VEM
Butylbenzylphthalate	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	1100		ug/kg	1100		1.0	YES	S3VEM
Chrysene	Target	970		ug/kg	970		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	1200		ug/kg	1200		1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	320		ug/kg	320		1.0	YES	S3VEM
Benzo(a)pyrene	Target	900		ug/kg	900		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	590		ug/kg	590		1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	210		ug/kg	210		1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	520		ug/kg	520		1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Methacrylamide	TIC	78	J	ug/kg	78	J	1.0	YES	S3VEM
Total Alkanes	TIC	210		ug/kg	210		1.0	YES	S3VEM
9H-Fluoren-9-one	TIC	85	J	ug/kg	85	J	1.0	YES	S3VEM
unknown-03	TIC	85	J	ug/kg	85	J	1.0	YES	S3VEM
unknown-02	TIC	91	J	ug/kg	91	J	1.0	YES	S3VEM
Dibenzothiophene	TIC	95	J	ug/kg	95	J	1.0	YES	S3VEM
1,2,4,8-Tetramethylbicyclo[6.3.0]u	TIC	150	J	ug/kg	150	J	1.0	YES	S3VEM
1H-Cyclopropa[1]phenanthrene, 1a,9b	TIC	150	J	ug/kg	150	J	1.0	YES	S3VEM
di-p-Tolylacetylene	TIC	170	J	ug/kg	170	J	1.0	YES	S3VEM
Cyclopenta(def)phenanthrenone	TIC	180	J	ug/kg	180	J	1.0	YES	S3VEM
9,10-Anthracenedione	TIC	190	J	ug/kg	190	J	1.0	YES	S3VEM
Phenanthrene, 1-methyl-	TIC	240	J	ug/kg	240	J	1.0	YES	S3VEM
Pyrene, 2-methyl-	TIC	90	J	ug/kg	90	J	1.0	YES	S3VEM
Pyrene, 1-methyl-	TIC	94	J	ug/kg	94	J	1.0	YES	S3VEM
11H-Benzo[a]fluoren-11-one	TIC	110	J	ug/kg	110	J	1.0	YES	S3VEM
Benzaldehyde, 3,5-dichloro-2-hydro	TIC	410	J	ug/kg	410	J	1.0	YES	S3VEM
Benzo[e]pyrene	TIC	550	J	ug/kg	550	J	1.0	YES	S3VEM
Anthracene, 2-methyl-	TIC	500	J	ug/kg	500	J	1.0	YES	S3VEM
unknown-01	TIC	87	J	ug/kg	87	J	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X7	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: PC5W	pH:	Sample Date: 02/21/2018	Sample Time: 09:05:00
% Moisture:		% Solids: 85.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
Chloromethane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
Bromomethane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
Chloroethane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
Acetone	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
Methylene chloride	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
2-Butanone	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
Chloroform	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
Cyclohexane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
Benzene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
Trichloroethene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Toluene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
2-Hexanone	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
o-xylene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
Styrene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
Bromoform	Target	5.9	UJ	ug/kg	5.9	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.9	UJ	ug/kg	5.9	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.9	UJ	ug/kg	5.9	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.9	UJ	ug/kg	5.9	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.9	UJ	ug/kg	5.9	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	5.9	UJ	ug/kg	5.9	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.9	UJ	ug/kg	5.9	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X8	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: PC5V	pH:	Sample Date: 02/21/2018	Sample Time: 09:20:00
% Moisture:		% Solids: 84.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1221	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1232	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1242	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1248	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1254	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1260	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1262	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1268	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X8	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: PC5V	pH:	Sample Date: 02/21/2018	Sample Time: 09:20:00
% Moisture:		% Solids: 84.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
beta-BHC	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
delta-BHC	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
Heptachlor	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
Aldrin	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
Endosulfan I	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
Dieldrin	Target	3.9	UJ	ug/kg	2.2	JP	1.0	YES	S3VEM
4,4-DDE	Target	3.9	UJ	ug/kg	3.9	U	1.0	YES	S3VEM
Endrin	Target	3.9	UJ	ug/kg	3.9	U	1.0	YES	S3VEM
Endosulfan II	Target	3.9	UJ	ug/kg	3.9	U	1.0	YES	S3VEM
4,4-DDD	Target	3.9	UJ	ug/kg	3.9	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	3.9	UJ	ug/kg	3.9	U	1.0	YES	S3VEM
4,4-DDT	Target	3.9	UJ	ug/kg	3.9	U	1.0	YES	S3VEM
Methoxychlor	Target	20	UJ	ug/kg	20	U	1.0	YES	S3VEM
Endrin ketone	Target	3.9	UJ	ug/kg	3.9	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	3.9	UJ	ug/kg	3.9	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
trans-Chlordane	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
Toxaphene	Target	200	UJ	ug/kg	200	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X8	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: PC5V	pH:	Sample Date: 02/21/2018	Sample Time: 09:20:00
% Moisture:		% Solids: 84.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	79	U	ug/kg	79	U	1.0	YES	S3VEM
Benzaldehyde	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Phenol	Target	160	J	ug/kg	160	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2-Chlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2-Methylphenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Acetophenone	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
4-Methylphenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Hexachloroethane	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Nitrobenzene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Isophorone	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2-Nitrophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Naphthalene	Target	68	J	ug/kg	68	J	1.0	YES	S3VEM
4-Chloroaniline	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Caprolactam	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	64	J	ug/kg	64	J	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2-Nitroaniline	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Dimethylphthalate	Target	430		ug/kg	430		1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Acenaphthylene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
3-Nitroaniline	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Acenaphthene	Target	150	J	ug/kg	150	J	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
4-Nitrophenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Dibenzofuran	Target	81	J	ug/kg	81	J	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Diethylphthalate	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Fluorene	Target	140	J	ug/kg	140	J	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
4-Nitroaniline	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	130	J	ug/kg	130	J	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Atrazine	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Pentachlorophenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Phenanthrene	Target	1700		ug/kg	1700		1.0	YES	S3VEM
Anthracene	Target	340		ug/kg	340		1.0	YES	S3VEM
Carbazole	Target	150	J	ug/kg	150	J	1.0	YES	S3VEM
Di-n-butylphthalate	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	1700		ug/kg	1700		1.0	YES	S3VEM
Pyrene	Target	1700		ug/kg	1700		1.0	YES	S3VEM
Butylbenzylphthalate	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	740		ug/kg	740		1.0	YES	S3VEM
Chrysene	Target	670		ug/kg	670		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	740		ug/kg	740		1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	250		ug/kg	250		1.0	YES	S3VEM
Benzo(a)pyrene	Target	580		ug/kg	580		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	350		ug/kg	350		1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	110	J	ug/kg	110	J	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	310		ug/kg	310		1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
unknown-01	TIC	93	J	ug/kg	93	J	1.0	YES	S3VEM
Total Alkanes	TIC	160		ug/kg	160		1.0	YES	S3VEM
unknown-02	TIC	150	J	ug/kg	150	J	1.0	YES	S3VEM
9H-Fluoren-9-ol	TIC	100	J	ug/kg	100	J	1.0	YES	S3VEM
Cyclopenta(def)phenanthrenone	TIC	99	J	ug/kg	99	J	1.0	YES	S3VEM
Phenanthrene, 2-methyl-	TIC	100	J	ug/kg	100	J	1.0	YES	S3VEM
Dibenzothiophene	TIC	120	J	ug/kg	120	J	1.0	YES	S3VEM
unknown-03	TIC	120	J	ug/kg	120	J	1.0	YES	S3VEM
9,10-Anthracenedione	TIC	130	J	ug/kg	130	J	1.0	YES	S3VEM
Naphthalene, 2-phenyl-	TIC	140	J	ug/kg	140	J	1.0	YES	S3VEM
9,10-Dimethylanthracene	TIC	140	J	ug/kg	140	J	1.0	YES	S3VEM
Pyrene, 1-methyl-	TIC	82	J	ug/kg	82	J	1.0	YES	S3VEM
Anthracene, 1-methyl-	TIC	230	J	ug/kg	230	J	1.0	YES	S3VEM
Benzo[e]pyrene	TIC	360	J	ug/kg	360	J	1.0	YES	S3VEM
11H-Benzo[b]fluorene	TIC	110	J	ug/kg	110	J	1.0	YES	S3VEM
4H-Cyclopenta[def]phenanthrene	TIC	380	J	ug/kg	380	J	1.0	YES	S3VEM
1-Heneicosanol	TIC	220	J	ug/kg	220	J	1.0	YES	S3VEM
Phenanthrene, 1-methyl-	TIC	570	J	ug/kg	570	J	1.0	YES	S3VEM
Naphthalene, 1-methyl-	TIC	90	J	ug/kg	90	J	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X8	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: PC5V	pH:	Sample Date: 02/21/2018	Sample Time: 09:20:00
% Moisture:		% Solids: 84.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Chloromethane	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Vinyl chloride	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Bromomethane	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Chloroethane	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Acetone	Target	84		ug/kg	84		1.0	YES	S3VEM
Carbon disulfide	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Methyl Acetate	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Methylene chloride	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
2-Butanone	Target	65	U	ug/kg	65	U	1.0	YES	S3VEM
Bromochloromethane	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Chloroform	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Cyclohexane	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Benzene	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Trichloroethene	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Methylcyclohexane	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Bromodichloromethane	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	65	U	ug/kg	65	U	1.0	YES	S3VEM
Toluene	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Tetrachloroethene	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
2-Hexanone	Target	65	U	ug/kg	65	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Chlorobenzene	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Ethylbenzene	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
o-xylene	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
m,p-Xylene	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Styrene	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Bromoform	Target	33	UJ	ug/kg	33	U	1.0	YES	S3VEM
Isopropylbenzene	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	33	UJ	ug/kg	33	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	33	UJ	ug/kg	33	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	33	UJ	ug/kg	33	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	33	UJ	ug/kg	33	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	33	UJ	ug/kg	33	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	33	UJ	ug/kg	33	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X9	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: PC5V	pH:	Sample Date: 02/21/2018	Sample Time: 09:25:00
% Moisture:		% Solids: 74.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	45	U	ug/kg	45	U	1.0	YES	S3VEM
Aroclor-1221	Target	45	U	ug/kg	45	U	1.0	YES	S3VEM
Aroclor-1232	Target	45	U	ug/kg	45	U	1.0	YES	S3VEM
Aroclor-1242	Target	45	U	ug/kg	45	U	1.0	YES	S3VEM
Aroclor-1248	Target	45	U	ug/kg	45	U	1.0	YES	S3VEM
Aroclor-1254	Target	45	U	ug/kg	45	U	1.0	YES	S3VEM
Aroclor-1260	Target	45	U	ug/kg	45	U	1.0	YES	S3VEM
Aroclor-1262	Target	45	U	ug/kg	45	U	1.0	YES	S3VEM
Aroclor-1268	Target	45	U	ug/kg	45	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X9	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: PC5V	pH:	Sample Date: 02/21/2018	Sample Time: 09:25:00
% Moisture:		% Solids: 74.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.3	UJ	ug/kg	2.3	U	1.0	YES	S3VEM
beta-BHC	Target	2.3	UJ	ug/kg	2.3	U	1.0	YES	S3VEM
delta-BHC	Target	2.3	U	ug/kg	2.3	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.3	UJ	ug/kg	2.3	U	1.0	YES	S3VEM
Heptachlor	Target	2.3	U	ug/kg	2.3	U	1.0	YES	S3VEM
Aldrin	Target	2.3	U	ug/kg	2.3	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.3	U	ug/kg	2.3	U	1.0	YES	S3VEM
Endosulfan I	Target	2.3	U	ug/kg	2.3	U	1.0	YES	S3VEM
Dieldrin	Target	4.5	U	ug/kg	17	P	1.0	YES	S3VEM
4,4-DDE	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
Endrin	Target	0.78	J	ug/kg	0.78	J	1.0	YES	S3VEM
Endosulfan II	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
4,4-DDD	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
4,4-DDT	Target	4.5	UJ	ug/kg	4.5	U	1.0	YES	S3VEM
Methoxychlor	Target	23	UJ	ug/kg	23	U	1.0	YES	S3VEM
Endrin ketone	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.3	U	ug/kg	2.3	U	1.0	YES	S3VEM
trans-Chlordane	Target	2.3	U	ug/kg	2.3	U	1.0	YES	S3VEM
Toxaphene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X9	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: PC5V	pH:	Sample Date: 02/21/2018	Sample Time: 09:25:00
% Moisture:		% Solids: 74.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	90	U	ug/kg	90	U	1.0	YES	S3VEM
Benzaldehyde	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Phenol	Target	130	J	ug/kg	130	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
2-Chlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2-Methylphenol	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Acetophenone	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
4-Methylphenol	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Hexachloroethane	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Nitrobenzene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Isophorone	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2-Nitrophenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Naphthalene	Target	59	J	ug/kg	59	J	1.0	YES	S3VEM
4-Chloroaniline	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Caprolactam	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2-Nitroaniline	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Dimethylphthalate	Target	440		ug/kg	440		1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Acenaphthylene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
3-Nitroaniline	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Acenaphthene	Target	120	J	ug/kg	120	J	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
4-Nitrophenol	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Dibenzofuran	Target	62	J	ug/kg	62	J	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Diethylphthalate	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Fluorene	Target	130	J	ug/kg	130	J	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
4-Nitroaniline	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	150	J	ug/kg	150	J	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Atrazine	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Pentachlorophenol	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Phenanthrene	Target	1300		ug/kg	1300		1.0	YES	S3VEM
Anthracene	Target	290		ug/kg	290		1.0	YES	S3VEM
Carbazole	Target	140	J	ug/kg	140	J	1.0	YES	S3VEM
Di-n-butylphthalate	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	1900		ug/kg	1900		1.0	YES	S3VEM
Pyrene	Target	1200		ug/kg	1200		1.0	YES	S3VEM
Butylbenzylphthalate	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	680		ug/kg	680		1.0	YES	S3VEM
Chrysene	Target	630		ug/kg	630		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	700		ug/kg	700		1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	240		ug/kg	240		1.0	YES	S3VEM
Benzo(a)pyrene	Target	550		ug/kg	550		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	320		ug/kg	320		1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	100	J	ug/kg	100	J	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	290		ug/kg	290		1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
unknown-01	TIC	120	J	ug/kg	120	J	1.0	YES	S3VEM
Cyclopenta(def)phenanthrenone	TIC	110	J	ug/kg	110	J	1.0	YES	S3VEM
Benzo[c]cinnoline	TIC	110	J	ug/kg	110	J	1.0	YES	S3VEM
Benzene, 1,1-(2-cyclopropen-1-yl)	TIC	120	J	ug/kg	120	J	1.0	YES	S3VEM
Phenanthrene, 2,5-dimethyl-	TIC	130	J	ug/kg	130	J	1.0	YES	S3VEM
Naphthalene, 2-phenyl-	TIC	140	J	ug/kg	140	J	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM
Benzo[e]pyrene	TIC	130	J	ug/kg	130	J	1.0	YES	S3VEM
Anthracene, 1-methyl-	TIC	180	J	ug/kg	180	J	1.0	YES	S3VEM
11H-Benzo[b]fluorene	TIC	91	J	ug/kg	91	J	1.0	YES	S3VEM
unknown-02	TIC	93	J	ug/kg	93	J	1.0	YES	S3VEM
Benzaldehyde, 3,5-dichloro-2-hydro	TIC	330	J	ug/kg	330	J	1.0	YES	S3VEM
Phenanthrene, 1-methyl-	TIC	420	J	ug/kg	420	J	1.0	YES	S3VEM
2(3H)-Benzothiazolone	TIC	150	J	ug/kg	150	J	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5X9	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: PC5V	pH:	Sample Date: 02/21/2018	Sample Time: 09:25:00
% Moisture:		% Solids: 74.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Chloromethane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Bromomethane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Chloroethane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Acetone	Target	36		ug/kg	36		1.0	YES	S3VEM
Carbon disulfide	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Methylene chloride	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
2-Butanone	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Bromochloromethane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Chloroform	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Cyclohexane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Benzene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Trichloroethene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Toluene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
2-Hexanone	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
o-xylene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Styrene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Bromoform	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5Y0	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: PC26V	pH:	Sample Date: 02/21/2018	Sample Time: 08:15:00
% Moisture:		% Solids: 61.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	53	UJ	ug/kg	53	U	1.0	YES	S3VEM
Aroclor-1221	Target	53	UJ	ug/kg	53	U	1.0	YES	S3VEM
Aroclor-1232	Target	53	UJ	ug/kg	53	U	1.0	YES	S3VEM
Aroclor-1242	Target	53	UJ	ug/kg	53	U	1.0	YES	S3VEM
Aroclor-1248	Target	53	UJ	ug/kg	53	U	1.0	YES	S3VEM
Aroclor-1254	Target	53	UJ	ug/kg	53	U	1.0	YES	S3VEM
Aroclor-1260	Target	53	UJ	ug/kg	53	U	1.0	YES	S3VEM
Aroclor-1262	Target	53	UJ	ug/kg	53	U	1.0	YES	S3VEM
Aroclor-1268	Target	53	UJ	ug/kg	53	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5Y0	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: PC26V	pH:	Sample Date: 02/21/2018	Sample Time: 08:15:00
% Moisture:		% Solids: 61.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.8	UJ	ug/kg	2.8	U	1.0	YES	S3VEM
beta-BHC	Target	2.8	R	ug/kg	2.8	U	1.0	YES	S3VEM
delta-BHC	Target	2.8	UJ	ug/kg	2.8	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.8	UJ	ug/kg	2.8	U	1.0	YES	S3VEM
Heptachlor	Target	2.8	UJ	ug/kg	2.8	U	1.0	YES	S3VEM
Aldrin	Target	2.8	UJ	ug/kg	2.8	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.8	UJ	ug/kg	2.8	U	1.0	YES	S3VEM
Endosulfan I	Target	2.8	UJ	ug/kg	2.8	U	1.0	YES	S3VEM
Dieldrin	Target	9.0	J	ug/kg	9.0	P	1.0	YES	S3VEM
4,4-DDE	Target	5.3	UJ	ug/kg	5.3	U	1.0	YES	S3VEM
Endrin	Target	5.3	UJ	ug/kg	5.3	U	1.0	YES	S3VEM
Endosulfan II	Target	5.3	UJ	ug/kg	5.3	U	1.0	YES	S3VEM
4,4-DDD	Target	5.3	UJ	ug/kg	5.3	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	5.3	UJ	ug/kg	5.3	U	1.0	YES	S3VEM
4,4-DDT	Target	5.3	UJ	ug/kg	5.3	U	1.0	YES	S3VEM
Methoxychlor	Target	28	UJ	ug/kg	28	U	1.0	YES	S3VEM
Endrin ketone	Target	5.3	UJ	ug/kg	5.3	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	5.3	UJ	ug/kg	5.3	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.8	UJ	ug/kg	2.8	U	1.0	YES	S3VEM
trans-Chlordane	Target	2.8	UJ	ug/kg	2.8	U	1.0	YES	S3VEM
Toxaphene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5Y0	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: PC26V	pH:	Sample Date: 02/21/2018	Sample Time: 08:15:00
% Moisture:		% Solids: 61.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
Benzaldehyde	Target	530	U	ug/kg	530	U	1.0	YES	S3VEM
Phenol	Target	200	J	ug/kg	200	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	530	U	ug/kg	530	U	1.0	YES	S3VEM
2-Chlorophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2-Methylphenol	Target	530	U	ug/kg	530	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	530	U	ug/kg	530	U	1.0	YES	S3VEM
Acetophenone	Target	260	J	ug/kg	260	J	1.0	YES	S3VEM
4-Methylphenol	Target	530	U	ug/kg	530	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Hexachloroethane	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Nitrobenzene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Isophorone	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2-Nitrophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Naphthalene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
4-Chloroaniline	Target	530	U	ug/kg	530	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Caprolactam	Target	530	U	ug/kg	530	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	530	UJ	ug/kg	530	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2-Nitroaniline	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Dimethylphthalate	Target	370		ug/kg	370		1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Acenaphthylene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
3-Nitroaniline	Target	530	U	ug/kg	530	U	1.0	YES	S3VEM
Acenaphthene	Target	87	J	ug/kg	87	J	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	530	UJ	ug/kg	530	U	1.0	YES	S3VEM
4-Nitrophenol	Target	530	U	ug/kg	530	U	1.0	YES	S3VEM
Dibenzofuran	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Diethylphthalate	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Fluorene	Target	75	J	ug/kg	75	J	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
4-Nitroaniline	Target	530	U	ug/kg	530	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	530	UJ	ug/kg	530	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	100	J	ug/kg	100	J	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Atrazine	Target	530	U	ug/kg	530	U	1.0	YES	S3VEM
Pentachlorophenol	Target	530	U	ug/kg	530	U	1.0	YES	S3VEM
Phenanthrene	Target	1100		ug/kg	1100		1.0	YES	S3VEM
Anthracene	Target	240	J	ug/kg	240	J	1.0	YES	S3VEM
Carbazole	Target	110	J	ug/kg	110	J	1.0	YES	S3VEM
Di-n-butylphthalate	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	1500		ug/kg	1500		1.0	YES	S3VEM
Pyrene	Target	1600		ug/kg	1600		1.0	YES	S3VEM
Butylbenzylphthalate	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	530	U	ug/kg	530	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	810		ug/kg	810		1.0	YES	S3VEM
Chrysene	Target	770		ug/kg	770		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	530	U	ug/kg	530	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	970		ug/kg	970		1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	300		ug/kg	300		1.0	YES	S3VEM
Benzo(a)pyrene	Target	730		ug/kg	730		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	450		ug/kg	450		1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	160	J	ug/kg	160	J	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	470		ug/kg	470		1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
9,10-Dimethylanthracene	TIC	160	J	ug/kg	160	J	1.0	YES	S3VEM
Total Alkanes	TIC	320		ug/kg	320		1.0	YES	S3VEM
Benzenamine, 4,4-methylenebis-	TIC	110	J	ug/kg	110	J	1.0	YES	S3VEM
Anthracene, 9-methyl-	TIC	200	J	ug/kg	200	J	1.0	YES	S3VEM
Tetrachloro-o-benzoquinone	TIC	130	J	ug/kg	130	J	1.0	YES	S3VEM
unknown-03	TIC	140	J	ug/kg	140	J	1.0	YES	S3VEM
4-Pyrenecarbaldehyde	TIC	140	J	ug/kg	140	J	1.0	YES	S3VEM
unknown-01	TIC	250	J	ug/kg	250	J	1.0	YES	S3VEM
unknown-05	TIC	480	J	ug/kg	480	J	1.0	YES	S3VEM
4H-Cyclopenta[def]phenanthrene	TIC	340	J	ug/kg	340	J	1.0	YES	S3VEM
Dibenzothiophene, 4-methyl-	TIC	380	J	ug/kg	380	J	1.0	YES	S3VEM
Benzenamine, 3-methyl-	TIC	1000	J	ug/kg	1000	J	1.0	YES	S3VEM
1H-Cyclopropa[l]phenanthrene,1a,9b	TIC	400	J	ug/kg	400	J	1.0	YES	S3VEM
7-Methyl-4-azafluorenone, 2,4,6-tr	TIC	870	J	ug/kg	870	J	1.0	YES	S3VEM
unknown-02	TIC	480	J	ug/kg	480	J	1.0	YES	S3VEM
Acridin-9-yl-(2,4-dimethyl-phenyl)	TIC	1500	J	ug/kg	1500	J	1.0	YES	S3VEM
i-Propyl nonadecanoate	TIC	1600	J	ug/kg	1600	J	1.0	YES	S3VEM
4,4-Diaminobenzophenone	TIC	580	J	ug/kg	580	J	1.0	YES	S3VEM
Cyclopenta[d]antracene-6,8,11-tri	TIC	1900	J	ug/kg	1900	J	1.0	YES	S3VEM
unknown-06	TIC	2200	J	ug/kg	2200	J	1.0	YES	S3VEM
3,3-Diamino-4,4-dimethylbenzophenone	TIC	2400	J	ug/kg	2400	J	1.0	YES	S3VEM
unknown-04	TIC	1400	J	ug/kg	1400	J	1.0	YES	S3VEM
unknown-07	TIC	4000	J	ug/kg	4000	J	1.0	YES	S3VEM
Acridine, 9-(p-toluidino)-	TIC	4200	J	ug/kg	4200	J	1.0	YES	S3VEM
4-(9-Acidinyl)-2-methylbenzenamine	TIC	24000	J	ug/kg	24000	J	1.0	YES	S3VEM
Benzenamine, 4,4-methylenebis[2-m	TIC	110	J	ug/kg	110	J	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5Y0	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: PC26V	pH:	Sample Date: 02/21/2018	Sample Time: 08:15:00
% Moisture:		% Solids: 61.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Chloromethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Vinyl chloride	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Bromomethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Chloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Acetone	Target	26	U	ug/kg	26	U	1.0	YES	S3VEM
Carbon disulfide	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Methyl Acetate	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Methylene chloride	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
2-Butanone	Target	26	U	ug/kg	26	U	1.0	YES	S3VEM
Bromochloromethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Chloroform	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Cyclohexane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Benzene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Trichloroethene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Methylcyclohexane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Bromodichloromethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	26	U	ug/kg	26	U	1.0	YES	S3VEM
Toluene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Tetrachloroethene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
2-Hexanone	Target	26	U	ug/kg	26	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Chlorobenzene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Ethylbenzene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
o-xylene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
m,p-Xylene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Styrene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Bromoform	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
Isopropylbenzene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5Y1	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: PC26V	pH:	Sample Date: 02/21/2018	Sample Time: 08:20:00
% Moisture:		% Solids: 57.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	57	U	ug/kg	57	U	1.0	YES	S3VEM
Aroclor-1221	Target	57	U	ug/kg	57	U	1.0	YES	S3VEM
Aroclor-1232	Target	57	U	ug/kg	57	U	1.0	YES	S3VEM
Aroclor-1242	Target	57	U	ug/kg	57	U	1.0	YES	S3VEM
Aroclor-1248	Target	57	U	ug/kg	57	U	1.0	YES	S3VEM
Aroclor-1254	Target	57	U	ug/kg	57	U	1.0	YES	S3VEM
Aroclor-1260	Target	57	U	ug/kg	57	U	1.0	YES	S3VEM
Aroclor-1262	Target	57	U	ug/kg	57	U	1.0	YES	S3VEM
Aroclor-1268	Target	15	J	ug/kg	15	JP	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5Y1	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: PC26V	pH:	Sample Date: 02/21/2018	Sample Time: 08:20:00
% Moisture:		% Solids: 57.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.9	UJ	ug/kg	2.9	U	1.0	YES	S3VEM
beta-BHC	Target	2.9	UJ	ug/kg	2.9	U	1.0	YES	S3VEM
delta-BHC	Target	2.9	UJ	ug/kg	2.9	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.9	UJ	ug/kg	2.9	U	1.0	YES	S3VEM
Heptachlor	Target	2.9	UJ	ug/kg	2.9	U	1.0	YES	S3VEM
Aldrin	Target	2.9	UJ	ug/kg	2.9	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.9	UJ	ug/kg	2.9	U	1.0	YES	S3VEM
Endosulfan I	Target	2.9	UJ	ug/kg	2.9	U	1.0	YES	S3VEM
Dieldrin	Target	5.7	UJ	ug/kg	5.7	U	1.0	YES	S3VEM
4,4-DDE	Target	5.7	UJ	ug/kg	5.7	U	1.0	YES	S3VEM
Endrin	Target	5.7	UJ	ug/kg	5.7	U	1.0	YES	S3VEM
Endosulfan II	Target	5.7	UJ	ug/kg	5.7	U	1.0	YES	S3VEM
4,4-DDD	Target	5.7	UJ	ug/kg	5.7	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	5.7	UJ	ug/kg	5.7	U	1.0	YES	S3VEM
4,4-DDT	Target	5.7	UJ	ug/kg	5.7	U	1.0	YES	S3VEM
Methoxychlor	Target	30	UJ	ug/kg	30	U	1.0	YES	S3VEM
Endrin ketone	Target	5.7	UJ	ug/kg	5.7	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	5.7	UJ	ug/kg	5.7	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.9	UJ	ug/kg	2.9	U	1.0	YES	S3VEM
trans-Chlordane	Target	2.9	UJ	ug/kg	2.9	U	1.0	YES	S3VEM
Toxaphene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5Y1	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: PC26V	pH:	Sample Date: 02/21/2018	Sample Time: 08:20:00
% Moisture:		% Solids: 57.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	120	U	ug/kg	120	U	1.0	YES	S3VEM
Benzaldehyde	Target	230	J	ug/kg	230	J	1.0	YES	S3VEM
Phenol	Target	200	J	ug/kg	200	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	570	U	ug/kg	570	U	1.0	YES	S3VEM
2-Chlorophenol	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
2-Methylphenol	Target	570	U	ug/kg	570	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	570	U	ug/kg	570	U	1.0	YES	S3VEM
Acetophenone	Target	570	U	ug/kg	570	U	1.0	YES	S3VEM
4-Methylphenol	Target	300	J	ug/kg	300	J	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Hexachloroethane	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Nitrobenzene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Isophorone	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
2-Nitrophenol	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Naphthalene	Target	310		ug/kg	310		1.0	YES	S3VEM
4-Chloroaniline	Target	570	U	ug/kg	570	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Caprolactam	Target	570	U	ug/kg	570	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	200	J	ug/kg	200	J	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	570	U	ug/kg	570	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
2-Nitroaniline	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Dimethylphthalate	Target	320		ug/kg	320		1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Acenaphthylene	Target	86	J	ug/kg	86	J	1.0	YES	S3VEM
3-Nitroaniline	Target	570	U	ug/kg	570	U	1.0	YES	S3VEM
Acenaphthene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	570	U	ug/kg	570	U	1.0	YES	S3VEM
4-Nitrophenol	Target	570	U	ug/kg	570	U	1.0	YES	S3VEM
Dibenzofuran	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Diethylphthalate	Target	160	J	ug/kg	160	J	1.0	YES	S3VEM
Fluorene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
4-Nitroaniline	Target	570	U	ug/kg	570	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	570	U	ug/kg	570	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Atrazine	Target	570	U	ug/kg	570	U	1.0	YES	S3VEM
Pentachlorophenol	Target	570	U	ug/kg	570	U	1.0	YES	S3VEM
Phenanthrene	Target	870		ug/kg	870		1.0	YES	S3VEM
Anthracene	Target	230	J	ug/kg	230	J	1.0	YES	S3VEM
Carbazole	Target	93	J	ug/kg	93	J	1.0	YES	S3VEM
Di-n-butylphthalate	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	1500		ug/kg	1500		1.0	YES	S3VEM
Pyrene	Target	1500		ug/kg	1500		1.0	YES	S3VEM
Butylbenzylphthalate	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	570	U	ug/kg	570	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	990		ug/kg	990		1.0	YES	S3VEM
Chrysene	Target	1100		ug/kg	1100		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	570	U	ug/kg	570	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	1300		ug/kg	1300		1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	520		ug/kg	520		1.0	YES	S3VEM
Benzo(a)pyrene	Target	1100		ug/kg	1100		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	840		ug/kg	840		1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	260	J	ug/kg	260	J	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	860		ug/kg	860		1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
unknown-01	TIC	150	J	ug/kg	150	J	1.0	YES	S3VEM
p-Cymene	TIC	190	J	ug/kg	190	J	1.0	YES	S3VEM
Naphthalene, 2,7-dimethyl-	TIC	130	J	ug/kg	130	J	1.0	YES	S3VEM
Total Alkanes	TIC	1400		ug/kg	1400		1.0	YES	S3VEM
4H-Cyclopenta[def]phenanthrene	TIC	210	J	ug/kg	210	J	1.0	YES	S3VEM
D-Limonene	TIC	540	J	ug/kg	540	J	1.0	YES	S3VEM
n-Hexadecanoic acid	TIC	950	J	ug/kg	950	J	1.0	YES	S3VEM
Phenol, 3-methyl-	TIC	150	J	ug/kg	150	J	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5Y1	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: PC26V	pH:	Sample Date: 02/21/2018	Sample Time: 08:20:00
% Moisture:		% Solids: 57.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Chloromethane	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Vinyl chloride	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Bromomethane	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Chloroethane	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Acetone	Target	900		ug/kg	900		1.0	YES	S3VEM
Carbon disulfide	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Methyl Acetate	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Methylene chloride	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
2-Butanone	Target	320		ug/kg	320		1.0	YES	S3VEM
Bromochloromethane	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Chloroform	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Cyclohexane	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Benzene	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Trichloroethene	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Methylcyclohexane	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Bromodichloromethane	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	69	U	ug/kg	69	U	1.0	YES	S3VEM
Toluene	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Tetrachloroethene	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
2-Hexanone	Target	69	U	ug/kg	69	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Chlorobenzene	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Ethylbenzene	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
o-xylene	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
m,p-Xylene	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Styrene	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Bromoform	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
Isopropylbenzene	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
unknown-01	TIC	8.7	J	ug/kg	8.7	J	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5Y2	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: PC26(1)	pH:	Sample Date: 02/21/2018	Sample Time: 08:45:00
% Moisture:		% Solids: 87.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	38	U	ug/kg	38	U	1.0	YES	S3VEM
Aroclor-1221	Target	38	U	ug/kg	38	U	1.0	YES	S3VEM
Aroclor-1232	Target	38	U	ug/kg	38	U	1.0	YES	S3VEM
Aroclor-1242	Target	38	U	ug/kg	38	U	1.0	YES	S3VEM
Aroclor-1248	Target	38	U	ug/kg	38	U	1.0	YES	S3VEM
Aroclor-1254	Target	200		ug/kg	200		1.0	YES	S3VEM
Aroclor-1260	Target	38	U	ug/kg	38	U	1.0	YES	S3VEM
Aroclor-1262	Target	38	U	ug/kg	38	U	1.0	YES	S3VEM
Aroclor-1268	Target	38	U	ug/kg	38	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5Y2	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: PC26(1)	pH:	Sample Date: 02/21/2018	Sample Time: 08:45:00
% Moisture:		% Solids: 87.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
beta-BHC	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
delta-BHC	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
Heptachlor	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
Aldrin	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
Endosulfan I	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
Dieldrin	Target	3.8	UJ	ug/kg	2.0	JP	1.0	YES	S3VEM
4,4-DDE	Target	12	J-	ug/kg	12	P	1.0	YES	S3VEM
Endrin	Target	3.8	J-	ug/kg	3.8	P	1.0	YES	S3VEM
Endosulfan II	Target	3.8	UJ	ug/kg	3.8	U	1.0	YES	S3VEM
4,4-DDD	Target	2.7	J-	ug/kg	2.7	J	1.0	YES	S3VEM
Endosulfan Sulfate	Target	3.8	UJ	ug/kg	3.8	U	1.0	YES	S3VEM
4,4-DDT	Target	28	NJ	ug/kg	28	P	1.0	YES	S3VEM
Methoxychlor	Target	20	UJ	ug/kg	20	U	1.0	YES	S3VEM
Endrin ketone	Target	3.8	UJ	ug/kg	3.8	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	3.8	UJ	ug/kg	3.8	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
trans-Chlordane	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
Toxaphene	Target	200	UJ	ug/kg	200	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5Y2	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: PC26(1)	pH:	Sample Date: 02/21/2018	Sample Time: 08:45:00
% Moisture:		% Solids: 87.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	77	U	ug/kg	77	U	1.0	YES	S3VEM
Benzaldehyde	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Phenol	Target	120	J	ug/kg	120	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
2-Chlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2-Methylphenol	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Acetophenone	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
4-Methylphenol	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Hexachloroethane	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Nitrobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Isophorone	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2-Nitrophenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Naphthalene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
4-Chloroaniline	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Caprolactam	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2-Nitroaniline	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Dimethylphthalate	Target	250		ug/kg	250		1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Acenaphthylene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
3-Nitroaniline	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Acenaphthene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
4-Nitrophenol	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Dibenzofuran	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Diethylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Fluorene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
4-Nitroaniline	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Atrazine	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Pentachlorophenol	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Phenanthrene	Target	350		ug/kg	350		1.0	YES	S3VEM
Anthracene	Target	62	J	ug/kg	62	J	1.0	YES	S3VEM
Carbazole	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	560		ug/kg	560		1.0	YES	S3VEM
Pyrene	Target	640		ug/kg	640		1.0	YES	S3VEM
Butylbenzylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	310		ug/kg	310		1.0	YES	S3VEM
Chrysene	Target	300		ug/kg	300		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	150	J	ug/kg	150	J	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	380		ug/kg	380		1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	130	J	ug/kg	130	J	1.0	YES	S3VEM
Benzo(a)pyrene	Target	300		ug/kg	300		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	190		ug/kg	190		1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	63	J	ug/kg	63	J	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	180	J	ug/kg	180	J	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
unknown-01	TIC	110	J	ug/kg	110	J	1.0	YES	S3VEM
Benzophenone	TIC	91	J	ug/kg	91	J	1.0	YES	S3VEM
di-p-Tolylacetylene	TIC	82	J	ug/kg	82	J	1.0	YES	S3VEM
11H-Benzo[b]fluorene	TIC	82	J	ug/kg	82	J	1.0	YES	S3VEM
4H-Cyclopenta[def]phenanthrene	TIC	120	J	ug/kg	120	J	1.0	YES	S3VEM
Total Alkanes	TIC	970		ug/kg	970		1.0	YES	S3VEM
unknown-02	TIC	220	J	ug/kg	220	J	1.0	YES	S3VEM
Trihexadecyl borate	TIC	130	J	ug/kg	130	J	1.0	YES	S3VEM
Fluoranthene, 2-methyl-	TIC	130	J	ug/kg	130	J	1.0	YES	S3VEM
unknown-03	TIC	150	J	ug/kg	150	J	1.0	YES	S3VEM
n-Hexadecanoic acid	TIC	270	J	ug/kg	270	J	1.0	YES	S3VEM
Octadecanoic acid	TIC	98	J	ug/kg	98	J	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5Y2	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: PC26(1)	pH:	Sample Date: 02/21/2018	Sample Time: 08:45:00
% Moisture:		% Solids: 87.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Chloromethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Bromomethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Chloroethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Acetone	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Carbon disulfide	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Methylene chloride	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
2-Butanone	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Bromochloromethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Chloroform	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Cyclohexane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Benzene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Trichloroethene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Toluene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
2-Hexanone	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
o-xylene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Styrene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Bromoform	Target	7.0	UJ	ug/kg	7.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	7.0	UJ	ug/kg	7.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	7.0	UJ	ug/kg	7.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	7.0	UJ	ug/kg	7.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	7.0	UJ	ug/kg	7.0	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	7.0	UJ	ug/kg	7.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	7.0	UJ	ug/kg	7.0	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5Y3	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: PC26(1)	pH:	Sample Date: 02/21/2018	Sample Time: 08:50:00
% Moisture:		% Solids: 70.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	47	U	ug/kg	47	U	1.0	YES	S3VEM
Aroclor-1221	Target	47	U	ug/kg	47	U	1.0	YES	S3VEM
Aroclor-1232	Target	47	U	ug/kg	47	U	1.0	YES	S3VEM
Aroclor-1242	Target	47	U	ug/kg	47	U	1.0	YES	S3VEM
Aroclor-1248	Target	47	U	ug/kg	47	U	1.0	YES	S3VEM
Aroclor-1254	Target	47	U	ug/kg	47	U	1.0	YES	S3VEM
Aroclor-1260	Target	110	J	ug/kg	110	P	1.0	YES	S3VEM
Aroclor-1262	Target	47	U	ug/kg	47	U	1.0	YES	S3VEM
Aroclor-1268	Target	47	U	ug/kg	47	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5Y3	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: PC26(1)	pH:	Sample Date: 02/21/2018	Sample Time: 08:50:00
% Moisture:		% Solids: 70.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.4	UJ	ug/kg	2.4	U	1.0	YES	S3VEM
beta-BHC	Target	2.4	UJ	ug/kg	2.4	U	1.0	YES	S3VEM
delta-BHC	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.4	UJ	ug/kg	2.4	U	1.0	YES	S3VEM
Heptachlor	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
Aldrin	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
Endosulfan I	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
Dieldrin	Target	4.6	UJ	ug/kg	2.4	JP	1.0	YES	S3VEM
4,4-DDE	Target	75	J+	ug/kg	75	P	1.0	YES	S3VEM
Endrin	Target	4.6	UJ	ug/kg	4.6	U	1.0	YES	S3VEM
Endosulfan II	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S3VEM
4,4-DDD	Target	4.6	J+	ug/kg	4.6	P	1.0	YES	S3VEM
Endosulfan Sulfate	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S3VEM
4,4-DDT	Target	210	J+	ug/kg	210	D	5.0	YES	S3VEM
Methoxychlor	Target	24	UJ	ug/kg	24	U	1.0	YES	S3VEM
Endrin ketone	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
trans-Chlordane	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
Toxaphene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5Y3	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: PC26(1)	pH:	Sample Date: 02/21/2018	Sample Time: 08:50:00
% Moisture:		% Solids: 70.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	94	U	ug/kg	94	U	1.0	YES	S3VEM
Benzaldehyde	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Phenol	Target	130	J	ug/kg	130	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2-Chlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2-Methylphenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Acetophenone	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
4-Methylphenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Hexachloroethane	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Nitrobenzene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Isophorone	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2-Nitrophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Naphthalene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
4-Chloroaniline	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Caprolactam	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2-Nitroaniline	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Dimethylphthalate	Target	370		ug/kg	370		1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Acenaphthylene	Target	130	J	ug/kg	130	J	1.0	YES	S3VEM
3-Nitroaniline	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Acenaphthene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
4-Nitrophenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Dibenzofuran	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Diethylphthalate	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Fluorene	Target	63	J	ug/kg	63	J	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
4-Nitroaniline	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Atrazine	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Pentachlorophenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Phenanthrene	Target	960		ug/kg	960		1.0	YES	S3VEM
Anthracene	Target	260		ug/kg	260		1.0	YES	S3VEM
Carbazole	Target	100	J	ug/kg	100	J	1.0	YES	S3VEM
Di-n-butylphthalate	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	1600		ug/kg	1600		1.0	YES	S3VEM
Pyrene	Target	1700		ug/kg	1700		1.0	YES	S3VEM
Butylbenzylphthalate	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	1000		ug/kg	1000		1.0	YES	S3VEM
Chrysene	Target	970		ug/kg	970		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	53	J	ug/kg	53	J	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	1200		ug/kg	1200		1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	370		ug/kg	370		1.0	YES	S3VEM
Benzo(a)pyrene	Target	920		ug/kg	920		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	640		ug/kg	640		1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	220	J	ug/kg	220	J	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	590		ug/kg	590		1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Butane, 2-methoxy-2-methyl-	TIC	100	J	ug/kg	100	J	1.0	YES	S3VEM
Total Alkanes	TIC	340		ug/kg	340		1.0	YES	S3VEM
Naphthalene, 2-phenyl-	TIC	100	J	ug/kg	100	J	1.0	YES	S3VEM
9,10-Anthracenedione	TIC	130	J	ug/kg	130	J	1.0	YES	S3VEM
Phenanthrene, 3,6-dimethyl-	TIC	150	J	ug/kg	150	J	1.0	YES	S3VEM
Anthracene, 2-methyl-	TIC	150	J	ug/kg	150	J	1.0	YES	S3VEM
Phenanthrene, 1-methyl-	TIC	170	J	ug/kg	170	J	1.0	YES	S3VEM
Cyclopenta(def)phenanthrenone	TIC	180	J	ug/kg	180	J	1.0	YES	S3VEM
11H-Benzo[a]fluoren-11-one	TIC	110	J	ug/kg	110	J	1.0	YES	S3VEM
Fluoranthene, 2-methyl-	TIC	120	J	ug/kg	120	J	1.0	YES	S3VEM
4H-Cyclopenta(def)phenanthrene	TIC	330	J	ug/kg	330	J	1.0	YES	S3VEM
Naphthalene, 1-(2-naphthalenylxyloxy)	TIC	180	J	ug/kg	180	J	1.0	YES	S3VEM
2,2-Dinaphthyl ether	TIC	220	J	ug/kg	220	J	1.0	YES	S3VEM
n-Hexadecanoic acid	TIC	580	J	ug/kg	580	J	1.0	YES	S3VEM
1,1-Bi-2-naphthol	TIC	560	J	ug/kg	560	J	1.0	YES	S3VEM
1H-Cyclopropa[1]phenanthrene,1a,9b	TIC	100	J	ug/kg	100	J	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5Y3	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: PC26(1)	pH:	Sample Date: 02/21/2018	Sample Time: 08:50:00
% Moisture:		% Solids: 70.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Chloromethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Vinyl chloride	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Bromomethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Chloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Acetone	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Carbon disulfide	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Methyl Acetate	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Methylene chloride	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
2-Butanone	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Bromochloromethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Chloroform	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Cyclohexane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Benzene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Trichloroethene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Methylcyclohexane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Bromodichloromethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Toluene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Tetrachloroethene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
2-Hexanone	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Chlorobenzene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Ethylbenzene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
o-xylene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
m,p-Xylene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Styrene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Bromoform	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Isopropylbenzene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5Z8	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: PC36	pH:	Sample Date: 02/21/2018	Sample Time: 14:45:00
% Moisture:		% Solids: 73.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	45	UJ	ug/kg	45	U	1.0	YES	S3VEM
Aroclor-1221	Target	45	UJ	ug/kg	45	U	1.0	YES	S3VEM
Aroclor-1232	Target	45	UJ	ug/kg	45	U	1.0	YES	S3VEM
Aroclor-1242	Target	45	UJ	ug/kg	45	U	1.0	YES	S3VEM
Aroclor-1248	Target	45	UJ	ug/kg	45	U	1.0	YES	S3VEM
Aroclor-1254	Target	45	UJ	ug/kg	45	U	1.0	YES	S3VEM
Aroclor-1260	Target	45	UJ	ug/kg	45	U	1.0	YES	S3VEM
Aroclor-1262	Target	45	UJ	ug/kg	45	U	1.0	YES	S3VEM
Aroclor-1268	Target	45	UJ	ug/kg	45	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5Z8	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: PC36	pH:	Sample Date: 02/21/2018	Sample Time: 14:45:00
% Moisture:		% Solids: 73.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.3	UJ	ug/kg	2.3	U	1.0	YES	S3VEM
beta-BHC	Target	2.3	R	ug/kg	2.3	U	1.0	YES	S3VEM
delta-BHC	Target	2.3	UJ	ug/kg	0.85	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.3	UJ	ug/kg	2.3	U	1.0	YES	S3VEM
Heptachlor	Target	2.3	UJ	ug/kg	2.3	U	1.0	YES	S3VEM
Aldrin	Target	2.3	UJ	ug/kg	2.3	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.3	J-	ug/kg	2.3		1.0	YES	S3VEM
Endosulfan I	Target	2.3	UJ	ug/kg	2.3	U	1.0	YES	S3VEM
Dieldrin	Target	4.5	UJ	ug/kg	3.1	JP	1.0	YES	S3VEM
4,4-DDE	Target	4.5	UJ	ug/kg	4.5	U	1.0	YES	S3VEM
Endrin	Target	4.5	UJ	ug/kg	4.5	U	1.0	YES	S3VEM
Endosulfan II	Target	4.5	UJ	ug/kg	4.5	U	1.0	YES	S3VEM
4,4-DDD	Target	4.5	UJ	ug/kg	4.5	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	4.5	UJ	ug/kg	4.5	U	1.0	YES	S3VEM
4,4-DDT	Target	4.5	UJ	ug/kg	4.5	U	1.0	YES	S3VEM
Methoxychlor	Target	23	UJ	ug/kg	23	U	1.0	YES	S3VEM
Endrin ketone	Target	4.5	UJ	ug/kg	4.5	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	4.5	UJ	ug/kg	4.5	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.3	UJ	ug/kg	2.3	U	1.0	YES	S3VEM
trans-Chlordane	Target	2.3	UJ	ug/kg	2.3	U	1.0	YES	S3VEM
Toxaphene	Target	230	UJ	ug/kg	230	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5Z8	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: PC36	pH:	Sample Date: 02/21/2018	Sample Time: 14:45:00
% Moisture:		% Solids: 73.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	91	U	ug/kg	91	U	1.0	YES	S3VEM
Benzaldehyde	Target	450	U	ug/kg	450	U	1.0	YES	S3VEM
Phenol	Target	210	J	ug/kg	210	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	450	U	ug/kg	450	U	1.0	YES	S3VEM
2-Chlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2-Methylphenol	Target	450	U	ug/kg	450	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	450	U	ug/kg	450	U	1.0	YES	S3VEM
Acetophenone	Target	450	UJ	ug/kg	450	U	1.0	YES	S3VEM
4-Methylphenol	Target	450	U	ug/kg	450	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Hexachloroethane	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Nitrobenzene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Isophorone	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2-Nitrophenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Naphthalene	Target	61	J	ug/kg	61	J	1.0	YES	S3VEM
4-Chloroaniline	Target	450	U	ug/kg	450	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Caprolactam	Target	450	U	ug/kg	450	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	450	UJ	ug/kg	450	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2-Nitroaniline	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Dimethylphthalate	Target	570		ug/kg	570		1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Acenaphthylene	Target	110	J	ug/kg	110	J	1.0	YES	S3VEM
3-Nitroaniline	Target	450	U	ug/kg	450	U	1.0	YES	S3VEM
Acenaphthene	Target	150	J	ug/kg	150	J	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	450	UJ	ug/kg	450	U	1.0	YES	S3VEM
4-Nitrophenol	Target	450	U	ug/kg	450	U	1.0	YES	S3VEM
Dibenzofuran	Target	88	J	ug/kg	88	J	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Diethylphthalate	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Fluorene	Target	110	J	ug/kg	110	J	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
4-Nitroaniline	Target	450	U	ug/kg	450	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	450	U	ug/kg	450	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Atrazine	Target	450	U	ug/kg	450	U	1.0	YES	S3VEM
Pentachlorophenol	Target	450	U	ug/kg	450	U	1.0	YES	S3VEM
Phenanthrene	Target	2000		ug/kg	2000		1.0	YES	S3VEM
Anthracene	Target	380		ug/kg	380		1.0	YES	S3VEM
Carbazole	Target	230	J	ug/kg	230	J	1.0	YES	S3VEM
Di-n-butylphthalate	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	2600		ug/kg	2600		1.0	YES	S3VEM
Pyrene	Target	2500		ug/kg	2500		1.0	YES	S3VEM
Butylbenzylphthalate	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	450	U	ug/kg	450	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	1200		ug/kg	1200		1.0	YES	S3VEM
Chrysene	Target	1200		ug/kg	1200		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	130	J	ug/kg	130	J	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	450	U	ug/kg	450	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	1200		ug/kg	1200		1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	470		ug/kg	470		1.0	YES	S3VEM
Benzo(a)pyrene	Target	1000		ug/kg	1000		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	660		ug/kg	660		1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	210	J	ug/kg	210	J	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	620		ug/kg	620		1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
unknown-01	TIC	140	J	ug/kg	140	J	1.0	YES	S3VEM
Total Alkanes	TIC	2900		ug/kg	2900		1.0	YES	S3VEM
unknown-02	TIC	100	J	ug/kg	100	J	1.0	YES	S3VEM
di-p-Tolylacetylene	TIC	100	J	ug/kg	100	J	1.0	YES	S3VEM
Phenanthrene, 2-methyl-	TIC	110	J	ug/kg	110	J	1.0	YES	S3VEM
3-Oxatricyclo[3.2.1.0(2,4)]octane,	TIC	110	J	ug/kg	110	J	1.0	YES	S3VEM
9H-Fluoren-9-one	TIC	120	J	ug/kg	120	J	1.0	YES	S3VEM
Anthracene, 1,2,3,4-tetrahydro-	TIC	130	J	ug/kg	130	J	1.0	YES	S3VEM
Dibenzothiophene	TIC	130	J	ug/kg	130	J	1.0	YES	S3VEM
Phenanthrene, 1-methyl-	TIC	140	J	ug/kg	140	J	1.0	YES	S3VEM
Cyclohexane, 1,5-diethyl-3-methy	TIC	150	J	ug/kg	150	J	1.0	YES	S3VEM
5,16[1,2]:8,13[1,2]-Dibenzen	TIC	190	J	ug/kg	190	J	1.0	YES	S3VEM
1,3,5-Triazine-2(1H)-thione, 4-(di	TIC	110	J	ug/kg	110	J	1.0	YES	S3VEM
1H-Cyclopropa[l]phenanthrene,1a,9b	TIC	250	J	ug/kg	250	J	1.0	YES	S3VEM
9,10-Anthracenedione	TIC	270	J	ug/kg	270	J	1.0	YES	S3VEM
11H-Benzo[b]fluorene	TIC	120	J	ug/kg	120	J	1.0	YES	S3VEM
11H-Benzo[a]fluoren-11-one	TIC	140	J	ug/kg	140	J	1.0	YES	S3VEM
4H-Cyclopenta[def]phenanthrene	TIC	430	J	ug/kg	430	J	1.0	YES	S3VEM
Benzo[e]pyrene	TIC	660	J	ug/kg	660	J	1.0	YES	S3VEM
unknown-03	TIC	220	J	ug/kg	220	J	1.0	YES	S3VEM
Pyrene, 1-methyl-	TIC	220	J	ug/kg	220	J	1.0	YES	S3VEM
n-Hexadecanoic acid	TIC	760	J	ug/kg	760	J	1.0	YES	S3VEM
Phenanthridine	TIC	96	J	ug/kg	96	J	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5Z8	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: PC36	pH:	Sample Date: 02/21/2018	Sample Time: 14:45:00
% Moisture:		% Solids: 73.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
Chloromethane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
Vinyl chloride	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
Bromomethane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
Chloroethane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
Acetone	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Carbon disulfide	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
Methyl Acetate	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
Methylene chloride	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
2-Butanone	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Bromochloromethane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
Chloroform	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
Cyclohexane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
Benzene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
Trichloroethene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
Methylcyclohexane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
Bromodichloromethane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Toluene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
Tetrachloroethene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
2-Hexanone	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
Chlorobenzene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
Ethylbenzene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
o-xylene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
m,p-Xylene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
Styrene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
Bromoform	Target	6.6	UJ	ug/kg	6.6	U	1.0	YES	S3VEM
Isopropylbenzene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	6.6	UJ	ug/kg	6.6	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	6.6	UJ	ug/kg	6.6	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	6.6	UJ	ug/kg	6.6	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	6.6	UJ	ug/kg	6.6	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	6.6	UJ	ug/kg	6.6	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	6.6	UJ	ug/kg	6.6	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5Z9	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: PC36	pH:	Sample Date: 02/21/2018	Sample Time: 14:50:00
% Moisture:		% Solids: 88.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	37	U	ug/kg	37	U	1.0	YES	S3VEM
Aroclor-1221	Target	37	U	ug/kg	37	U	1.0	YES	S3VEM
Aroclor-1232	Target	37	U	ug/kg	37	U	1.0	YES	S3VEM
Aroclor-1242	Target	37	U	ug/kg	37	U	1.0	YES	S3VEM
Aroclor-1248	Target	37	U	ug/kg	37	U	1.0	YES	S3VEM
Aroclor-1254	Target	40		ug/kg	40		1.0	YES	S3VEM
Aroclor-1260	Target	94	J	ug/kg	94	P	1.0	YES	S3VEM
Aroclor-1262	Target	37	U	ug/kg	37	U	1.0	YES	S3VEM
Aroclor-1268	Target	37	U	ug/kg	37	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5Z9	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: PC36	pH:	Sample Date: 02/21/2018	Sample Time: 14:50:00
% Moisture:		% Solids: 88.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	1.9	UJ	ug/kg	1.9	U	1.0	YES	S3VEM
beta-BHC	Target	1.9	UJ	ug/kg	1.9	U	1.0	YES	S3VEM
delta-BHC	Target	1.9	U	ug/kg	1.1	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	1.9	UJ	ug/kg	1.9	U	1.0	YES	S3VEM
Heptachlor	Target	1.9	U	ug/kg	1.9	U	1.0	YES	S3VEM
Aldrin	Target	1.9	U	ug/kg	1.9	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	1.9	U	ug/kg	1.9	U	1.0	YES	S3VEM
Endosulfan I	Target	1.9	U	ug/kg	1.9	U	1.0	YES	S3VEM
Dieldrin	Target	3.7	U	ug/kg	3.0	JP	1.0	YES	S3VEM
4,4-DDE	Target	2.0	J	ug/kg	2.0	J	1.0	YES	S3VEM
Endrin	Target	3.7	UJ	ug/kg	0.92	JP	1.0	YES	S3VEM
Endosulfan II	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S3VEM
4,4-DDD	Target	2.9	J	ug/kg	2.9	J	1.0	YES	S3VEM
Endosulfan Sulfate	Target	3.7	U	ug/kg	3.0	JP	1.0	YES	S3VEM
4,4-DDT	Target	3.7	UJ	ug/kg	3.0	JP	1.0	YES	S3VEM
Methoxychlor	Target	19	UJ	ug/kg	19	U	1.0	YES	S3VEM
Endrin ketone	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S3VEM
cis-Chlordane	Target	1.9	U	ug/kg	0.58	JP	1.0	YES	S3VEM
trans-Chlordane	Target	1.9	U	ug/kg	1.9	U	1.0	YES	S3VEM
Toxaphene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5Z9	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: PC36	pH:	Sample Date: 02/21/2018	Sample Time: 14:50:00
% Moisture:		% Solids: 88.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	76	U	ug/kg	76	U	1.0	YES	S3VEM
Benzaldehyde	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Phenol	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
2-Chlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2-Methylphenol	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Acetophenone	Target	80	J	ug/kg	80	J	1.0	YES	S3VEM
4-Methylphenol	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Hexachloroethane	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Nitrobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Isophorone	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2-Nitrophenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Naphthalene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
4-Chloroaniline	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Caprolactam	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	370	UJ	ug/kg	370	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2-Nitroaniline	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Dimethylphthalate	Target	230		ug/kg	230		1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Acenaphthylene	Target	210		ug/kg	210		1.0	YES	S3VEM
3-Nitroaniline	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Acenaphthene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	370	UJ	ug/kg	370	U	1.0	YES	S3VEM
4-Nitrophenol	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Dibenzofuran	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Diethylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Fluorene	Target	50	J	ug/kg	50	J	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
4-Nitroaniline	Target	2600		ug/kg	2600		1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	370	UJ	ug/kg	370	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Atrazine	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Pentachlorophenol	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Phenanthrene	Target	790		ug/kg	790		1.0	YES	S3VEM
Anthracene	Target	220		ug/kg	220		1.0	YES	S3VEM
Carbazole	Target	84	J	ug/kg	84	J	1.0	YES	S3VEM
Di-n-butylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	1900		ug/kg	1900		1.0	YES	S3VEM
Pyrene	Target	2000		ug/kg	2000		1.0	YES	S3VEM
Butylbenzylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	980		ug/kg	980		1.0	YES	S3VEM
Chrysene	Target	960		ug/kg	960		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	1300		ug/kg	1300		1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	380		ug/kg	380		1.0	YES	S3VEM
Benzo(a)pyrene	Target	1000		ug/kg	1000		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	760		ug/kg	760		1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	240		ug/kg	240		1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	830		ug/kg	830		1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
unknown-01	TIC	87	J	ug/kg	87	J	1.0	YES	S3VEM
1H-Cyclopropa[1]phenanthrene,1a,9b	TIC	84	J	ug/kg	84	J	1.0	YES	S3VEM
unknown-02	TIC	140	J	ug/kg	140	J	1.0	YES	S3VEM
5,16[1,2]:8,13[1,2]-Dibenzen	TIC	110	J	ug/kg	110	J	1.0	YES	S3VEM
1H-Indene, 2-phenyl-	TIC	110	J	ug/kg	110	J	1.0	YES	S3VEM
9,10-Anthracenedione	TIC	120	J	ug/kg	120	J	1.0	YES	S3VEM
Total Alkanes	TIC	270		ug/kg	270		1.0	YES	S3VEM
Phenanthrene, 2-methyl-	TIC	150	J	ug/kg	150	J	1.0	YES	S3VEM
11H-Benzo[a]fluoren-11-one	TIC	80	J	ug/kg	80	J	1.0	YES	S3VEM
4H-Cyclopenta[def]phenanthrene	TIC	330	J	ug/kg	330	J	1.0	YES	S3VEM
n-Hexadecanoic acid	TIC	590	J	ug/kg	590	J	1.0	YES	S3VEM
2-Naphthalenol, 1-amino-	TIC	660	J	ug/kg	660	J	1.0	YES	S3VEM
Phenanthrene, 2,3-dimethyl-	TIC	140	J	ug/kg	140	J	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE5Z9	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: PC36	pH:	Sample Date: 02/21/2018	Sample Time: 14:50:00
% Moisture:		% Solids: 88.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	6.0	U	ug/kg	7.2	U	1.0	YES	S3VEM
Chloromethane	Target	6.0	U	ug/kg	7.2	U	1.0	YES	S3VEM
Vinyl chloride	Target	6.0	U	ug/kg	7.2	U	1.0	YES	S3VEM
Bromomethane	Target	6.0	U	ug/kg	7.2	U	1.0	YES	S3VEM
Chloroethane	Target	6.0	U	ug/kg	7.2	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	6.0	U	ug/kg	7.2	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	6.0	U	ug/kg	7.2	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	6.0	U	ug/kg	7.2	U	1.0	YES	S3VEM
Acetone	Target	12	U	ug/kg	14	U	1.0	YES	S3VEM
Carbon disulfide	Target	6.0	U	ug/kg	7.2	U	1.0	YES	S3VEM
Methyl Acetate	Target	6.0	U	ug/kg	7.2	U	1.0	YES	S3VEM
Methylene chloride	Target	6.0	U	ug/kg	7.2	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	6.0	U	ug/kg	7.2	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	6.0	U	ug/kg	7.2	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	6.0	U	ug/kg	7.2	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	6.0	U	ug/kg	7.2	U	1.0	YES	S3VEM
2-Butanone	Target	12	U	ug/kg	14	U	1.0	YES	S3VEM
Bromochloromethane	Target	6.0	U	ug/kg	7.2	U	1.0	YES	S3VEM
Chloroform	Target	6.0	U	ug/kg	7.2	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	7.2	UJ	ug/kg	6.0	U	1.0	YES	S3VEM
Cyclohexane	Target	7.2	UJ	ug/kg	6.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	7.2	UJ	ug/kg	6.0	U	1.0	YES	S3VEM
Benzene	Target	7.2	UJ	ug/kg	6.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	6.0	U	ug/kg	7.2	U	1.0	YES	S3VEM
Trichloroethene	Target	7.2	UJ	ug/kg	6.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	7.2	UJ	ug/kg	6.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	7.2	UJ	ug/kg	6.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	7.2	UJ	ug/kg	6.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	7.2	UJ	ug/kg	6.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	14	UJ	ug/kg	12	U	1.0	YES	S3VEM
Toluene	Target	7.2	UJ	ug/kg	6.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	7.2	UJ	ug/kg	6.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	7.2	UJ	ug/kg	6.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	7.2	UJ	ug/kg	6.0	U	1.0	YES	S3VEM
2-Hexanone	Target	14	UJ	ug/kg	12	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	7.2	UJ	ug/kg	6.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	7.2	UJ	ug/kg	6.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	7.2	UJ	ug/kg	6.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	7.2	UJ	ug/kg	6.0	U	1.0	YES	S3VEM
o-xylene	Target	7.2	UJ	ug/kg	6.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	7.2	UJ	ug/kg	6.0	U	1.0	YES	S3VEM
Styrene	Target	7.2	UJ	ug/kg	6.0	U	1.0	YES	S3VEM
Bromoform	Target	7.2	UJ	ug/kg	6.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	7.2	UJ	ug/kg	6.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	6.0	U	ug/kg	7.2	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	7.2	UJ	ug/kg	6.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	7.2	UJ	ug/kg	6.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	7.2	UJ	ug/kg	6.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	7.2	UJ	ug/kg	6.0	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	7.2	UJ	ug/kg	6.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	7.2	UJ	ug/kg	6.0	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE600	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: PC36	pH:	Sample Date: 02/21/2018	Sample Time: 14:55:00
% Moisture:		% Solids: 64.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	51	U	ug/kg	51	U	1.0	YES	S3VEM
Aroclor-1221	Target	51	U	ug/kg	51	U	1.0	YES	S3VEM
Aroclor-1232	Target	51	U	ug/kg	51	U	1.0	YES	S3VEM
Aroclor-1242	Target	51	U	ug/kg	51	U	1.0	YES	S3VEM
Aroclor-1248	Target	51	U	ug/kg	51	U	1.0	YES	S3VEM
Aroclor-1254	Target	51	U	ug/kg	51	U	1.0	YES	S3VEM
Aroclor-1260	Target	51	U	ug/kg	51	U	1.0	YES	S3VEM
Aroclor-1262	Target	51	U	ug/kg	51	U	1.0	YES	S3VEM
Aroclor-1268	Target	51	U	ug/kg	51	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE600	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: PC36	pH:	Sample Date: 02/21/2018	Sample Time: 14:55:00
% Moisture:		% Solids: 64.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.6	UJ	ug/kg	2.6	U	1.0	YES	S3VEM
beta-BHC	Target	2.6	UJ	ug/kg	2.6	U	1.0	YES	S3VEM
delta-BHC	Target	2.6	UJ	ug/kg	2.6	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.6	UJ	ug/kg	2.6	U	1.0	YES	S3VEM
Heptachlor	Target	2.6	UJ	ug/kg	2.6	U	1.0	YES	S3VEM
Aldrin	Target	2.6	UJ	ug/kg	2.6	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.6	UJ	ug/kg	2.6	U	1.0	YES	S3VEM
Endosulfan I	Target	2.6	UJ	ug/kg	2.6	U	1.0	YES	S3VEM
Dieldrin	Target	5.5	R	ug/kg	5.5	P	1.0	YES	S3VEM
4,4-DDE	Target	5.1	UJ	ug/kg	5.1	U	1.0	YES	S3VEM
Endrin	Target	1.8	J-	ug/kg	1.8	JP	1.0	YES	S3VEM
Endosulfan II	Target	5.1	UJ	ug/kg	5.1	U	1.0	YES	S3VEM
4,4-DDD	Target	5.1	UJ	ug/kg	5.1	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	5.1	UJ	ug/kg	5.1	U	1.0	YES	S3VEM
4,4-DDT	Target	5.1	UJ	ug/kg	5.1	U	1.0	YES	S3VEM
Methoxychlor	Target	26	UJ	ug/kg	26	U	1.0	YES	S3VEM
Endrin ketone	Target	5.1	UJ	ug/kg	5.1	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	5.1	UJ	ug/kg	5.1	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.6	UJ	ug/kg	2.6	U	1.0	YES	S3VEM
trans-Chlordane	Target	2.6	UJ	ug/kg	2.6	U	1.0	YES	S3VEM
Toxaphene	Target	260	UJ	ug/kg	260	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE600	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: PC36	pH:	Sample Date: 02/21/2018	Sample Time: 14:55:00
% Moisture:		% Solids: 64.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Benzaldehyde	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
Phenol	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
2-Chlorophenol	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
2-Methylphenol	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
Acetophenone	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
4-Methylphenol	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Hexachloroethane	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Nitrobenzene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Isophorone	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
2-Nitrophenol	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Naphthalene	Target	93	J	ug/kg	93	J	1.0	YES	S3VEM
4-Chloroaniline	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Caprolactam	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
2-Nitroaniline	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Dimethylphthalate	Target	280		ug/kg	280		1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Acenaphthylene	Target	120	J	ug/kg	120	J	1.0	YES	S3VEM
3-Nitroaniline	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
Acenaphthene	Target	210	J	ug/kg	210	J	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
4-Nitrophenol	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
Dibenzofuran	Target	140	J	ug/kg	140	J	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Diethylphthalate	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Fluorene	Target	240	J	ug/kg	240	J	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
4-Nitroaniline	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	510	UJ	ug/kg	510	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Atrazine	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
Pentachlorophenol	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
Phenanthrene	Target	3100		ug/kg	3100		1.0	YES	S3VEM
Anthracene	Target	640		ug/kg	640		1.0	YES	S3VEM
Carbazole	Target	330	J	ug/kg	330	J	1.0	YES	S3VEM
Di-n-butylphthalate	Target	180	J	ug/kg	180	J	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	3700		ug/kg	3700		1.0	YES	S3VEM
Pyrene	Target	3300		ug/kg	3300		1.0	YES	S3VEM
Butylbenzylphthalate	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	1800		ug/kg	1800		1.0	YES	S3VEM
Chrysene	Target	1800		ug/kg	1800		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	1900		ug/kg	1900		1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	580		ug/kg	580		1.0	YES	S3VEM
Benzo(a)pyrene	Target	1500		ug/kg	1500		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	980		ug/kg	980		1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	330		ug/kg	330		1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	960		ug/kg	960		1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Benzo[h]quinoline	TIC	140	J	ug/kg	140	J	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM
9H-Fluorene, 1-methyl-	TIC	140	J	ug/kg	140	J	1.0	YES	S3VEM
9H-Fluoren-9-one	TIC	170	J	ug/kg	170	J	1.0	YES	S3VEM
Phenanthrene, 1,2,3,4-tetrahydro-	TIC	170	J	ug/kg	170	J	1.0	YES	S3VEM
unknown-01	TIC	180	J	ug/kg	180	J	1.0	YES	S3VEM
Dibenzothiophene	TIC	200	J	ug/kg	200	J	1.0	YES	S3VEM
di-p-Tolylacetylene	TIC	260	J	ug/kg	260	J	1.0	YES	S3VEM
1H-Cyclopropa[1]phenanthrene, 1a,9b	TIC	270	J	ug/kg	270	J	1.0	YES	S3VEM
6-Phenylbenzocyclohepten-7-one	TIC	270	J	ug/kg	270	J	1.0	YES	S3VEM
Cyclopenta(def)phenanthrenone	TIC	280	J	ug/kg	280	J	1.0	YES	S3VEM
9,10-Anthracenedione	TIC	290	J	ug/kg	290	J	1.0	YES	S3VEM
11H-Benzo[a]fluoren-11-one	TIC	110	J	ug/kg	110	J	1.0	YES	S3VEM
Fluoranthene, 2-methyl-	TIC	140	J	ug/kg	140	J	1.0	YES	S3VEM
Cyclopenta[cd]pyrene	TIC	160	J	ug/kg	160	J	1.0	YES	S3VEM
11H-Benzo[b]fluorene	TIC	160	J	ug/kg	160	J	1.0	YES	S3VEM
4H-Cyclopenta[def]phenanthrene	TIC	710	J	ug/kg	710	J	1.0	YES	S3VEM
Phenanthrene, 1-methyl-	TIC	720	J	ug/kg	720	J	1.0	YES	S3VEM
2,4,6-Cycloheptatrien-1-one, 2-phe	TIC	140	J	ug/kg	140	J	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: BE600	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: PC36	pH:	Sample Date: 02/21/2018	Sample Time: 14:55:00
% Moisture:		% Solids: 64.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Chloromethane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Vinyl chloride	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Bromomethane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Chloroethane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Acetone	Target	30	U	ug/kg	30	U	1.0	YES	S3VEM
Carbon disulfide	Target	15	UJ	ug/kg	15	U	1.0	YES	S3VEM
Methyl Acetate	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Methylene chloride	Target	15	U	ug/kg	13	JB	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
2-Butanone	Target	30	U	ug/kg	30	U	1.0	YES	S3VEM
Bromochloromethane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Chloroform	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Cyclohexane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Benzene	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Trichloroethene	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Methylcyclohexane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Bromodichloromethane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	30	U	ug/kg	30	U	1.0	YES	S3VEM
Toluene	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Tetrachloroethene	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
2-Hexanone	Target	30	U	ug/kg	30	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Chlorobenzene	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Ethylbenzene	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
o-xylene	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
m,p-Xylene	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Styrene	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Bromoform	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Isopropylbenzene	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: PBLK73	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
beta-BHC	Target	1.7	R	ug/kg	1.7	U	1.0	YES	S3VEM
delta-BHC	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Heptachlor	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Aldrin	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Endosulfan I	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Dieldrin	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
4,4-DDE	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endrin	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endosulfan II	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
4,4-DDD	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
4,4-DDT	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Methoxychlor	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
Endrin ketone	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
cis-Chlordane	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
trans-Chlordane	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Toxaphene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: PLCS73	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
beta-BHC	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
delta-BHC	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	15		ug/kg	15		1.0	YES	S3VEM
Heptachlor	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Aldrin	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Heptachlor epoxide	Spike	13		ug/kg	13		1.0	YES	S3VEM
Endosulfan I	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Dieldrin	Spike	28		ug/kg	28		1.0	YES	S3VEM
4,4-DDE	Spike	27		ug/kg	27		1.0	YES	S3VEM
Endrin	Spike	29		ug/kg	29		1.0	YES	S3VEM
Endosulfan II	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
4,4-DDD	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endosulfan Sulfate	Spike	19		ug/kg	19		1.0	YES	S3VEM
4,4-DDT	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Methoxychlor	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
Endrin ketone	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
cis-Chlordane	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
trans-Chlordane	Spike	14		ug/kg	14		1.0	YES	S3VEM
Toxaphene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: SBLK72	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	67	U	ug/kg	67	U	1.0	YES	S3VEM
Benzaldehyde	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Phenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2-Chlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Acetophenone	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4-Methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Hexachloroethane	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Nitrobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Isophorone	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Nitrophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Naphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
4-Chloroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Caprolactam	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Nitroaniline	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Dimethylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Acenaphthylene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
3-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Acenaphthene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4-Nitrophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Dibenzofuran	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Diethylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Fluorene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
4-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Atrazine	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Pentachlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Phenanthrene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Carbazole	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Fluoranthene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Chrysene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: VBLK06	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: VBLK08	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	6.6		ug/kg	6.6		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: VBLK09	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
unknown-01	TIC	13	J	ug/kg	13	J	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: VBLK12	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: VBLK13	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: VBLK15	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	UJ	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	4.4	J	ug/kg	4.4	J	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: VBLK16	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Sample Number: VHBLK01	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-2,3-Epoxypropanone	TIC	2.6	J	ug/kg	2.6	J	1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

Sample Summary Report

Case: 47453

Contract: EPW14030

SDG: BE5W7

Lab Code: CHM